EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1250

DATE: JANUARY 1, 2022

PROJECT RP0760

The following classification changes will be effected by this Notice of Changes:

Action	Subclass	Group(s)
SCHEME:		
Symbols Deleted:	G06K	9/00006, 9/00013, 9/0002, 9/00026, 9/00033, 9/0004, 9/00046, 9/00053, 2009/0006, 9/00067, 9/00073, 9/0008, 9/00087, 9/00093, 9/001, 9/00107, 9/00114, 9/0012, 9/00127, 9/00134, 9/0014, 9/00147, 9/00154, 9/00161, 9/00167, 9/00174, 9/00181, 9/00187, 9/00194, 9/00201, 9/00208, 9/00214, 9/00221, 9/00228, 9/00234, 9/00241, 9/00248, 9/00255, 9/00261, 9/00268, 9/00275, 9/00281, 9/00288, 9/00295, 9/00302, 9/00308, 9/00315, 2009/00322, 2009/00328, 9/00335, 9/00342, 9/00348, 9/00355, 9/00362, 9/00369, 9/00375, 9/00382, 9/00389, 2009/00395, 9/00402, 9/00409, 9/00416, 9/00422, 9/00429, 9/00436, 9/00442, 9/00449, 9/00456, 9/00463, 9/00469, 9/00476, 9/00483, 2009/00489, 9/00577, 2009/00583, 2009/0059, 9/00597, 9/00604, 9/0061, 9/00617, 9/00624, 9/0063, 9/00637, 2009/00644, 9/00651, 9/00657, 9/00664, 9/00671, 9/00677, 9/00684, 9/00691, 9/00697, 9/00704, 9/00711, 9/00718, 9/00724, 9/00731, 2009/00738, 9/00744, 9/00751, 9/00758, 9/00765, 9/00771, 9/00778, 9/00785, 9/00791, 9/00798, 9/00805, 9/00812, 9/00818, 9/00825, 9/00832, 9/00838, 9/00845, 9/00852, 9/00859, 9/00865, 9/00872, 9/00879, 9/00885, 9/00892, 9/00899, 9/00906, 9/00912, 9/00919, 9/00926, 2009/00932, 2009/00939, 2009/00946, 2009/00953, 2009/00959, 2009/00966, 9/00973, 9/00979, 9/00986, 9/00993, 9/03, 9/033, 9/036, 9/18, 9/183, 9/186, 9/20, 9/2009, 9/2018, 9/2027, 9/2036, 2009/2045, 9/2054, 9/2063, 9/2072, 9/2081, 9/209, 9/22, 9/222, 9/224, 2009/226, 9/228, 9/24, 9/26, 9/28, 9/30, 9/32, 9/3208, 9/3216, 2009/3225, 9/3233, 9/3241, 9/325, 9/3258, 9/3266, 9/3275, 9/3283, 2009/3291, 9/34, 9/342, 9/344, 9/346, 9/348, 9/36, 2009/363, 2009/366, 9/38, 9/40, 9/42, 9/44, 9/46, 9/4604, 9/4609, 9/4614, 9/4619, 9/4623, 9/4628, 9/4633, 9/4638, 9/4642, 9/4647, 9/4652, 2009/4657, 9/4661, 2009/4666, 9/4671, 9/4676, 9/468, 9/4685, 9/469, 2009/4695, 9/48, 9/481, 9/482, 2009/484, 2009/485, 2009/487, 2009/488, 9/50, 9/52, 9/522, 9/525, 9/527, 9/54, 9/56, 9/58, 2009/585, 9/60, 9/605, 9/6202, 9/6203, 9/6204, 9/6205, 9/6206, 9/6207, 9/6209, 9/621, 9/6211, 9/6212, 2009/6213, 9/6214, 9/64, 9/645, 9/66, 9/68, 9/6807, 9/6814, 9/6821, 9/6828, 9/6835, 9/6842, 9/685, 9/6857, 2009/6864, 2009/6871, 9/6878, 9/6885, 9/6892, 9/70, 9/72, 9/723, 9/726, 9/74, 9/741, 9/743, 9/745, 9/746, 9/748, 9/76, 9/78, 9/80, 9/82
	G06K	2209/00, 2209/01, 2209/011, 2209/013, 2209/015, 2209/03, 2209/05, 2209/051, 2209/053, 2209/055, 2209/057, 2209/07, 2209/09, 2209/15, 2209/17, 2209/19, 2209/21, 2209/23, 2209/25, 2209/27, 2209/29, 2209/40, 2209/401, 2209/403, 2209/50, 2209/501, 2209/502, 2209/503, 2209/504, 2209/505, 2209/506
Symbols New:	G06V	Subclass
	G06V	10/00, 10/10, 10/12, 10/14, 10/141, 10/143, 10/145, 10/147, 10/16, 10/17, 10/19, 10/20, 10/22, 10/225, 10/23, 10/235, 10/24, 10/242, 10/243, 10/245, 10/247, 10/248, 10/25, 10/255, 10/26, 10/267,

Action	Subclass	Group(s)
		10/273, 10/28, 10/30, 10/32, 10/34, 10/36, 10/40, 10/42, 10/421, 10/422, 10/424, 10/426, 10/431, 10/435, 10/44, 10/443, 10/446, 10/449, 10/451, 10/454, 10/457, 10/46, 10/462, 10/464, 10/467, 10/469, 10/471, 10/473, 10/476, 10/478, 10/48, 10/50, 10/507, 10/513, 10/52, 10/54, 10/56, 10/58, 10/60, 10/62, 10/70, 10/72, 10/74, 10/75, 10/751, 10/7515, 10/752, 10/753, 10/754, 10/755, 10/7553, 10/7557, 10/757, 10/758, 10/759, 10/76, 10/761, 10/762, 10/7625, 10/763, 10/7635, 10/764, 10/765, 10/766, 10/768, 10/77, 10/771, 10/7715, 10/772, 10/774, 10/7747, 10/7753, 10/776, 10/778, 10/7784, 10/7788, 10/7792, 10/7796, 10/80, 10/803, 10/806, 10/809, 10/811, 10/814, 10/817, 10/82, 10/84, 10/85, 10/86, 10/87, 10/88, 10/89, 10/893, 10/895, 10/898, 10/92, 10/94, 10/945, 10/95, 10/955, 10/96, 10/98, 10/987, 10/993
	G06V	20/00, 20/05, 20/10, 20/13, 20/17, 20/176, 20/182, 20/188, 20/194, 20/20, 20/30, 20/35, 20/36, 20/38, 20/39, 20/40, 20/41, 20/42, 20/43, 20/44, 20/46, 20/47, 20/48, 20/49, 20/50, 20/52, 20/53, 20/54, 20/56, 20/58, 20/582, 20/584, 20/586, 20/588, 20/59, 20/593, 20/597, 20/60, 20/62, 20/625, 20/63, 20/635, 20/64, 20/647, 20/653, 20/66, 20/68, 20/69, 20/693, 20/695, 20/698, 20/70, 20/80, 20/90, 20/95
	G06V	30/00, 30/10, 30/12, 30/127, 30/133, 30/14, 30/141, 30/142, 30/1423, 30/1426, 30/1429, 30/1431, 30/1434, 30/1437, 30/144, 30/1444, 30/1448, 30/1452, 30/1456, 30/146, 30/1463, 30/1465, 30/1468, 30/147, 30/1473, 30/1475, 30/1478, 30/148, 30/15, 30/153, 30/155, 30/158, 30/16, 30/1607, 30/1613, 30/162, 30/164, 30/166, 30/168, 30/18, 30/1801, 30/18019, 30/18029, 30/18038, 30/18048, 30/18057, 30/18067, 30/18076, 30/18086, 30/18095, 30/18105, 30/18114, 30/18124, 30/18133, 30/18143, 30/18152, 30/18162, 30/18171, 30/18181, 30/1819, 30/182, 30/1823, 30/1826, 30/1829, 30/1831, 30/1834, 30/1837, 30/184, 30/186, 30/187, 30/188, 30/189, 30/19, 30/19007, 30/19013, 30/1902, 30/19027, 30/19033, 30/1904, 30/19047, 30/19053, 30/1906, 30/19067, 30/19073, 30/1908, 30/19087, 30/19093, 30/191, 30/19107, 30/19113, 30/1912, 30/19127, 30/19133, 30/1914, 30/19147, 30/19153, 30/1916, 30/19167, 30/19173, 30/1918, 30/19187, 30/19193, 30/192, 30/194, 30/195, 30/196, 30/198, 30/1983, 30/1985, 30/1988, 30/199, 30/20, 30/22, 30/222, 30/224, 30/2247, 30/2253, 30/226, 30/2264, 30/2268, 30/2272, 30/2276, 30/228, 30/24, 30/242, 30/244, 30/2445, 30/245, 30/2455, 30/246, 30/248, 30/2504, 30/2528, 30/2552, 30/26, 30/262, 30/268, 30/274, 30/28, 30/287, 30/293, 30/30, 30/302, 30/304, 30/32, 30/333, 30/347, 30/36, 30/373, 30/387, 30/40, 30/41, 30/412, 30/413, 30/414, 30/416, 30/418, 30/42, 30/422, 30/424, 30/43
	G06V	40/00, 40/10, 40/103, 40/107, 40/11, 40/113, 40/117, 40/12, 40/13, 40/1306, 40/1312, 40/1318, 40/1324, 40/1329, 40/1335, 40/1341, 40/1347, 40/1353, 40/1359, 40/1365, 40/1371, 40/1376, 40/1382, 40/1388, 40/1394, 40/14, 40/145, 40/15, 40/155, 40/16, 40/161, 40/162, 40/164, 40/165, 40/166, 40/167, 40/168, 40/169, 40/171, 40/172, 40/173, 40/174, 40/175, 40/176, 40/178, 40/179, 40/18, 40/19, 40/193, 40/197, 40/20, 40/23, 40/25, 40/28, 40/30, 40/33, 40/37, 40/376, 40/382, 40/388, 40/394, 40/40, 40/45, 40/50, 40/53, 40/55, 40/58, 40/60, 40/63, 40/67, 40/70

Action	Subclass	Group(s)
	G06V	2201/00, 2201/01, 2201/02, 2201/03, 2201/031, 2201/032, 2201/033, 2201/034, 2201/04, 2201/05, 2201/06, 2201/07, 2201/08, 2201/09, 2201/10, 2201/11, 2201/12, 2201/121, 2201/122, 2201/13, 2201/131, 2201/132, 2201/133, 2201/134, 2201/135, 2201/136
Titles Changed:	G06K	Subclass
	G06K	9/00, 9/00496, 9/62, 9/6224, 9/6235, 9/6242, 9/6277, 9/6288, 9/6297
Warnings New:	G06K	9/00, 9/62, 9/6201, 9/6215, 9/6217, 9/6218, 9/6219, 9/622, 9/6221, 9/6222, 9/6223, 9/6224, 9/6226, 9/6227, 9/6228, 9/6229, 9/623, 9/6231, 9/6232, 9/6234, 9/6235, 2009/6236, 2009/6237, 2009/6238, 9/6239, 9/624, 9/6242, 9/6243, 9/6244, 9/6245, 9/6246, 9/6247, 9/6248, 9/6249, 9/6251, 9/6252, 9/6253, 9/6254, 9/6255, 9/6256, 9/6257, 9/6259, 9/626, 9/6261, 9/6262, 9/6263, 9/6264, 9/6265, 9/6267, 9/6268, 9/6269, 9/627, 9/6271, 9/6272, 9/6273, 9/6274, 9/6276, 9/6277, 9/6278, 9/6279, 9/628, 9/6281, 9/6282, 9/6284, 9/6285, 9/6286, 9/6287, 9/6288, 9/6289, 9/629, 9/6292, 9/6293, 2009/6294, 2009/6295, 9/6296, 9/6297, 9/6298
	G06V	10/00, 10/10, 10/12, 10/14, 10/141, 10/143, 10/145, 10/147, 10/16, 10/17, 10/19, 10/20, 10/22, 10/225, 10/23, 10/235, 10/24, 10/242, 10/243, 10/245, 10/247, 10/248, 10/25, 10/255, 10/26, 10/267, 10/273, 10/28, 10/30, 10/32, 10/34, 10/36, 10/40, 10/42, 10/421, 10/422, 10/424, 10/426, 10/431, 10/435, 10/44, 10/443, 10/446, 10/449, 10/451, 10/454, 10/457, 10/46, 10/462, 10/464, 10/467, 10/469, 10/471, 10/473, 10/476, 10/478, 10/48, 10/50, 10/507, 10/513, 10/52, 10/54, 10/56, 10/58, 10/60, 10/62, 10/70, 10/72, 10/75, 10/751, 10/7515, 10/752, 10/753, 10/754, 10/755, 10/7553, 10/7557, 10/757, 10/758, 10/759, 10/76, 10/761, 10/762, 10/7625, 10/763, 10/7635, 10/764, 10/765, 10/768, 10/771, 10/7715, 10/772, 10/774, 10/7747, 10/7753, 10/776, 10/778, 10/7784, 10/7788, 10/7796, 10/80, 10/803, 10/806, 10/809, 10/811, 10/814, 10/817, 10/84, 10/85, 10/87, 10/88, 10/89, 10/893, 10/895, 10/898, 10/92, 10/94, 10/945, 10/96, 10/98, 10/987, 10/993
	G06V	20/00, 20/05, 20/10, 20/13, 20/17, 20/20, 20/30, 20/35, 20/40, 20/50, 20/52, 20/56, 20/59, 20/60, 20/62, 20/64, 20/68, 20/70, 20/80, 20/90
	G06V	30/00, 30/10, 30/12, 30/127, 30/133, 30/14, 30/141, 30/142, 30/1426, 30/1429, 30/1431, 30/1434, 30/1437, 30/1444, 30/1448, 30/1452, 30/1456, 30/146, 30/1463, 30/1465, 30/147, 30/1473, 30/1475, 30/1478, 30/148, 30/15, 30/155, 30/16, 30/1607, 30/1613, 30/162, 30/164, 30/166, 30/168, 30/18, 30/1801, 30/18019, 30/18029, 30/18038, 30/18048, 30/18057, 30/18067, 30/18076, 30/18086, 30/18095, 30/18105, 30/18114, 30/18124, 30/18133, 30/18143, 30/18152, 30/18162, 30/18171, 30/18181, 30/1819, 30/182, 30/1823, 30/1826, 30/1829, 30/1831, 30/1834, 30/1837, 30/184, 30/186, 30/187, 30/188, 30/189, 30/19, 30/19007, 30/19013, 30/1902, 30/19027, 30/19033, 30/1904, 30/19047, 30/19053, 30/1906, 30/19067, 30/19073, 30/1908, 30/19087, 30/19093, 30/191, 30/19107, 30/19113, 30/1912, 30/19127, 30/19133, 30/1914, 30/19147, 30/19153, 30/1916, 30/19167, 30/19173, 30/1918, 30/19187, 30/19193, 30/192, 30/194, 30/195, 30/196, 30/1983, 30/199, 30/20,

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Action	Subclass	Group(s)
		30/22, 30/224, 30/24, 30/26, 30/262, 30/28, 30/30, 30/302, 30/32, 30/40, 30/41
	G06V	40/00, 40/13, 40/145
Notes Deleted:	G06K	9/00
Notes New:	G06V	Subclass
	G06V	20/00
	G06V	30/00
Notes Modified:	G06K	Subclass
DEFINITIONS:		
Definitions Deleted:	G06K	9/00013, 9/00046, 9/00087, 9/00127, 9/00154, 9/00852, 9/20, 9/2009, 9/28, 9/32, 9/3208, 9/3233, 9/3275, 9/34, 9/36, 9/38, 9/40, 9/42, 9/44, 9/46, 9/4642, 9/482
Definitions New:	G06V	Subclass
Definitions Modified:	G06K	Subclass
	G06K	9/00, 9/00496

The following subclasses/groups are also impacted by this Notice of Changes: A41H, A61B, A63B, B60W, G01C, G01N, G03H, G05D, G06F, G06N, G06T, G08B, G08G, G09B, G10L, H01L, H04M, H04N

This Notice of Changes includes the following*:*

1. CLASSIFICATION SCHEME CHANGES

　　　☒　A. New, Modified or Deleted Group(s)

　　　☒　B.　New, Modified or Deleted Warning(s)

　　　☒　C. New, Modified or Deleted Note(s)

　　　☐　D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

　　　☒　A.　New or Modified Definitions (Full definition template)

　　　☒　B.　Modified or Deleted Definitions (Definitions Quick Fix)

3.　☒　REVISION CONCORDANCE LIST (RCL)

4.　☒　CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5.　☒　CHANGES TO THE CROSS-REFERENCE LIST (CRL)

DATE: JANUARY 1, 2022

PROJECT RP0760

1. CLASSIFICATION SCHEME CHANGES

   A. New, Modified or Deleted Group(s)

SUBCLASS G06K - RECOGNITION OF DATA; PRESENTATION OF DATA; RECORD CARRIERS; HANDLING RECORD CARRIERS

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
M	G06K	Subclass	GRAPHICAL DATA READING (image or video recognition or understanding G06V); PRESENTATION OF DATA; RECORD CARRIERS; HANDLING RECORD CARRIERS	
C	G06K 9/00	0	Methods or arrangements for recognising patterns (methods or arrangements for graph-reading or for converting the pattern of mechanical parameters, e.g. force or presence, into electrical signals G06K 11/00; image or video recognition or understanding G06V; speech recognition G10L 15/00)	G06K 9/00, G06V 10/00, G06V 10/10, G06V 10/12, G06V 10/14, G06V 10/141, G06V 10/143, G06V 10/145, G06V 10/147, G06V 10/16, G06V 10/17, G06V 10/19, G06V 10/20, G06V 10/22, G06V 10/225, G06V 10/23, G06V 10/235, G06V 10/24, G06V 10/242, G06V 10/243, G06V 10/245, G06V 10/247, G06V 10/248, G06V 10/25, G06V 10/255, G06V 10/26, G06V 10/267, G06V 10/273, G06V 10/28, G06V 10/30, G06V 10/32, G06V 10/34, G06V 10/36, G06V 10/40, G06V 10/42, G06V 10/421, G06V 10/422, G06V 10/424, G06V 10/426, G06V 10/431, G06V 10/435, G06V 10/44, G06V 10/443, G06V 10/446, G06V 10/449, G06V 10/451, G06V 10/454, G06V 10/457, G06V 10/46, G06V 10/462, G06V 10/464, G06V 10/467, G06V 10/469, G06V 10/471, G06V 10/473, G06V 10/476, G06V 10/478, G06V 10/48, G06V 10/50, G06V 10/507, G06V 10/513, G06V 10/52, G06V 10/56, G06V 10/58, G06V 10/60, G06V 10/62, G06V 10/70, G06V 10/72, G06V 10/74,

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
				G06V 10/75, G06V 10/751, G06V 10/7515, G06V 10/752, G06V 10/753, G06V 10/754, G06V 10/755, G06V 10/7553, G06V 10/7557, G06V 10/757, G06V 10/758, G06V 10/759, G06V 10/76, G06V 10/761, G06V 10/762, G06V 10/7625, G06V 10/763, G06V 10/7635, G06V 10/764, G06V 10/765, G06V 10/766, G06V 10/768, G06V 10/77, G06V 10/771, G06V 10/7715, G06V 10/772, G06V 10/774, G06V 10/7747, G06V 10/7753, G06V 10/776, G06V 10/778, G06V 10/7784, G06V 10/7788, G06V 10/7792, G06V 10/7796, G06V 10/80, G06V 10/803, G06V 10/806, G06V 10/809, G06V 10/811, G06V 10/814, G06V 10/817, G06V 10/82, G06V 10/84, G06V 10/85, G06V 10/86, G06V 10/87, G06V 10/88, G06V 10/89, G06V 10/893, G06V 10/895, G06V 10/898, G06V 10/92, G06V 10/94, G06V 10/945, G06V 10/95, G06V 10/955, G06V 10/96, G06V 10/98, G06V 20/00, G06V 20/05, G06V 20/10, G06V 20/13, G06V 20/17, G06V 20/176, G06V 20/182, G06V 20/188, G06V 20/194, G06V 20/20, G06V 20/30, G06V 20/35, G06V 20/36, G06V 20/38, G06V 20/39, G06V 20/40, G06V 20/41, G06V 20/42, G06V 20/43, G06V 20/44, G06V 20/46, G06V 20/47, G06V 20/48, G06V 20/49, G06V 20/50, G06V 20/52, G06V 20/53, G06V 20/54, G06V 20/56, G06V 20/58, G06V 20/582, G06V 20/584, G06V 20/586, G06V 20/588, G06V 20/59, G06V 20/593, G06V 20/597, G06V 20/60, G06V 20/62, G06V

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
				20/625, G06V 20/63, G06V 20/635, G06V 20/64, G06V 20/647, G06V 20/653, G06V 20/66, G06V 20/68, G06V 20/69, G06V 20/693, G06V 20/695, G06V 20/698, G06V 20/70, G06V 20/80, G06V 20/90, G06V 30/00, G06V 30/10, G06V 30/12, G06V 30/127, G06V 30/133, G06V 30/14, G06V 30/141, G06V 30/142, G06V 30/1423, G06V 30/1426, G06V 30/1429, G06V 30/1431, G06V 30/1434, G06V 30/1437, G06V 30/144, G06V 30/1444, G06V 30/1448, G06V 30/1452, G06V 30/1456, G06V 30/146, G06V 30/1463, G06V 30/1465, G06V 30/1468, G06V 30/147, G06V 30/1473, G06V 30/1475, G06V 30/1478, G06V 30/148, G06V 30/15, G06V 30/153, G06V 30/155, G06V 30/158, G06V 30/16, G06V 30/1607, G06V 30/1613, G06V 30/162, G06V 30/164, G06V 30/166, G06V 30/168, G06V 30/18, G06V 30/1801, G06V 30/18019, G06V 30/18029, G06V 30/18038, G06V 30/18048, G06V 30/18057, G06V 30/18067, G06V 30/18076, G06V 30/18086, G06V 30/18095, G06V 30/18105, G06V 30/18114, G06V 30/18124, G06V 30/18133, G06V 30/18143, G06V 30/18152, G06V 30/18162, G06V 30/18171, G06V 30/18181, G06V 30/1819, G06V 30/182, G06V 30/1823, G06V 30/1826, G06V 30/1829, G06V 30/1831, G06V 30/1834, G06V 30/1837, G06V 30/184, G06V 30/186, G06V 30/187, G06V 30/188, G06V 30/189, G06V 30/19,

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
				G06V 30/19007, G06V 30/19013, G06V 30/1902, G06V 30/19027, G06V 30/19033, G06V 30/1904, G06V 30/19047, G06V 30/19053, G06V 30/1906, G06V 30/19067, G06V 30/19073, G06V 30/1908, G06V 30/19087, G06V 30/19093, G06V 30/191, G06V 30/19107, G06V 30/19113, G06V 30/1912, G06V 30/19127, G06V 30/19133, G06V 30/1914, G06V 30/19147, G06V 30/19153, G06V 30/1916, G06V 30/19167, G06V 30/19173, G06V 30/1918, G06V 30/19187, G06V 30/19193, G06V 30/192, G06V 30/194, G06V 30/195, G06V 30/196, G06V 30/198, G06V 30/1983, G06V 30/1985, G06V 30/1988, G06V 30/199, G06V 30/20, G06V 30/22, G06V 30/222, G06V 30/224, G06V 30/2247, G06V 30/2253, G06V 30/226, G06V 30/2264, G06V 30/2268, G06V 30/2272, G06V 30/2276, G06V 30/228, G06V 30/24, G06V 30/242, G06V 30/244, G06V 30/2445, G06V 30/245, G06V 30/2455, G06V 30/246, G06V 30/248, G06V 30/2504, G06V 30/2528, G06V 30/2552, G06V 30/26, G06V 30/262, G06V 30/268, G06V 30/274, G06V 30/28, G06V 30/287, G06V 30/293, G06V 30/30, G06V 30/302, G06V 30/304, G06V 30/32, G06V 30/333, G06V 30/347, G06V 30/36, G06V 30/373, G06V 30/387, G06V 30/40, G06V 30/41, G06V 30/412, G06V 30/413, G06V 30/414, G06V 30/416, G06V 30/418, G06V 30/42, G06V 30/422, G06V 30/424, G06V 40/00, G06V

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
				40/10, G06V 40/103, G06V 40/107, G06V 40/11, G06V 40/113, G06V 40/117, G06V 40/12, G06V 40/13, G06V 40/1306, G06V 40/1312, G06V 40/1318, G06V 40/1324, G06V 40/1329, G06V 40/1335, G06V 40/1341, G06V 40/1347, G06V 40/1353, G06V 40/1359, G06V 40/1365, G06V 40/1371, G06V 40/1376, G06V 40/1382, G06V 40/1388, G06V 40/1394, G06V 40/14, G06V 40/145, G06V 40/15, G06V 40/155, G06V 40/16, G06V 40/161, G06V 40/162, G06V 40/164, G06V 40/165, G06V 40/166, G06V 40/167, G06V 40/168, G06V 40/169, G06V 40/171, G06V 40/172, G06V 40/173, G06V 40/174, G06V 40/175, G06V 40/176, G06V 40/178, G06V 40/179, G06V 40/18, G06V 40/19, G06V 40/193, G06V 40/197, G06V 40/20, G06V 40/23, G06V 40/25, G06V 40/28, G06V 40/30, G06V 40/33, G06V 40/37, G06V 40/376, G06V 40/382, G06V 40/388, G06V 40/394, G06V 40/40, G06V 40/45, G06V 40/50, G06V 40/53, G06V 40/55, G06V 40/58, G06V 40/60, G06V 40/63, G06V 40/67, G06V 40/70
D	G06K 9/00006	1	{Acquiring or recognising fingerprints or palmprints (non-computerised biometric identification A61B 5/00; means for preventing unauthorised use of vehicles B60R 25/00; security in computer systems G06F 21/00; secure access to buildings G07C 9/00; secret or secure communication H04L 9/00; means for	< administrative transfer to G06V 40/12 >

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to[#]
			preventing unauthorised telephone calls H04M 1/667)}	
D	G06K 9/00013	2	{Image acquisition (materials for developing fingerprints, means for visual identification A61B 5/1172)}	< administrative transfer to G06V 40/13 >
D	G06K 9/0002	3	{by non-optical methods, e.g. by ultrasonic or capacitive sensing}	< administrative transfer to G06V 40/1306 >
D	G06K 9/00026	3	{by combining adjacent partial images (e.g. slices) to create a composite input or reference pattern; tracking a sweeping finger movement (for specific swipe sensing hardware the groups G06K 9/0002, G06K 9/00033, G06K 9/0004 and G06K 9/00046 take precedence)}	< administrative transfer to G06V 40/1335 >
D	G06K 9/00033	3	{by direct reading, i.e. contactless acquisition}	< administrative transfer to G06V 40/1312 >
D	G06K 9/0004	3	{by using electro-optical elements or layers, e.g. electroluminescent sensing}	< administrative transfer to G06V 40/1318 >
D	G06K 9/00046	3	{by using geometrical optics, e.g. using prisms (G06K 9/00033 takes precedence)}	< administrative transfer to G06V 40/1324 >
D	G06K 9/00053	3	{Protecting the fingerprint sensor against damage caused by the finger (protecting semiconductor devices against mechanical damage in general H01L 23/562; encapsulations of semiconductor devices H01L 23/28; protecting semiconductor devices against electrostatic discharges in general H01L 23/60, H01L 27/0248)}	< administrative transfer to G06V 40/1329 >
D	G06K 2009/0006	3	{with light passing through the finger}	< administrative transfer to G06V 40/1341 >
D	G06K 9/00067	2	{Preprocessing; Feature extraction (minutiae)}	< administrative transfer to G06V 40/1347 >
D	G06K 9/00073	3	{Extracting features related to minutiae and pores}	< administrative transfer to G06V 40/1353 >

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/0008	3	{Extracting features related to ridge properties; determining the fingerprint type, e.g. whorl, loop}	< administrative transfer to G06V 40/1359 >
D	G06K 9/00087	2	{Matching; Classification}	< administrative transfer to G06V 40/1365 >
D	G06K 9/00093	3	{Matching features related to minutiae and pores}	< administrative transfer to G06V 40/1371 >
D	G06K 9/001	3	{Matching features related to ridge properties or fingerprint texture}	< administrative transfer to G06V 40/1376 >
D	G06K 9/00107	2	{Detecting the live character of the finger, i.e. distinguishing from a fake or cadaver finger (fingerprint spoof detection by analysing recognition results G06K 9/00087)}	< administrative transfer to G06V 40/1382 >
D	G06K 9/00114	3	{using image processing}	< administrative transfer to G06V 40/1388 >
D	G06K 9/0012	3	{using acquisition arrangements}	< administrative transfer to G06V 40/1394 >
D	G06K 9/00127	1	{Acquiring and recognising microscopic objects, e.g. biological cells and cellular parts (apparatus for measuring microbiological properties C12M 1/34; optical analysis of chemical or physical properties of particles, e.g. investigation of dimensions G01N 15/14; biomedical image inspection G06T 7/0012)}	< administrative transfer to G06V 20/69 >
D	G06K 9/00134	2	{Acquisition, e.g. centering the image field (fluorescence analysis G01N 21/64; scanning microscopes G02B 21/002; processing of multiple slides G02B 21/365)}	< administrative transfer to G06V 20/693 >
D	G06K 9/0014	2	{Pre-processing, e.g. image segmentation (segmentation for general image processing G06T 7/10); Feature extraction}	< administrative transfer to G06V 20/695 >
D	G06K 9/00147	2	{Matching; Classification}	< administrative transfer to G06V 20/698 >
D	G06K 9/00154	1	{Reading or verifying signatures; Writer recognition}	< administrative transfer to G06V 40/30>

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/00161	2	{based only on signature image, e.g. static signature recognition}	< administrative transfer to G06V 40/33>
D	G06K 9/00167	2	{based only on signature signals such as velocity or pressure, e.g. dynamic signature recognition}	< administrative transfer to G06V 40/37>
D	G06K 9/00174	3	{Acquisition}	< administrative transfer to G06V 40/376>
D	G06K 9/00181	3	{Matching; classification}	< administrative transfer to G06V 40/394>
D	G06K 9/00187	3	{Preprocessing; feature extraction}	< administrative transfer to G06V 40/382>
D	G06K 9/00194	4	{Sampling; contour coding; stroke extraction}	< administrative transfer to G06V 40/388>
D	G06K 9/00201	1	{Recognising three-dimensional objects, e.g. using range or tactile information (arrangements for measuring depth G01B 11/22, for measuring curvatures G01B 11/24; processing image data for depth or shape recovery G06T 7/50; registration of range data G06T 7/30)}	< administrative transfer to G06V 20/64 >
D	G06K 9/00208	2	{by matching two-dimensional images to three-dimensional objects}	< administrative transfer to G06V 20/647 >
D	G06K 9/00214	2	{by matching three-dimensional models, e.g. conformal mapping of Riemann surfaces}	< administrative transfer to G06V 20/653 >
D	G06K 9/00221	1	{Acquiring or recognising human faces, facial parts, facial sketches, facial expressions}	< administrative transfer to G06V 40/16 >
D	G06K 9/00228	2	{Detection; Localisation; Normalisation}	< administrative transfer to G06V 40/161 >
D	G06K 9/00234	3	{using pixel segmentation or colour matching (segmentation for general image processing G06T 7/10; colour analysis G06T 7/90)}	< administrative transfer to G06V 40/162 >
D	G06K 9/00241	3	{using holistic features (extraction or representation of holistic features per se G06K 9/00275)}	< administrative transfer to G06V 40/164 >

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/00248	3	{using facial parts and geometric relationships (extraction or representation of facial parts per se G06K 9/00281)}	< administrative transfer to G06V 40/165 >
D	G06K 9/00255	3	{using acquisition arrangements}	< administrative transfer to G06V 40/166 >
D	G06K 9/00261	3	{using comparisons between temporally consecutive images (face tracking G06T 7/20)}	< administrative transfer to G06V 40/167 >
D	G06K 9/00268	2	{Feature extraction; Face representation}	< administrative transfer to G06V 40/168 >
D	G06K 9/00275	3	{Holistic features and representations, i.e. based on the facial image taken as a whole (statistical feature extraction in general G06K 9/6232; matching eigenfaces G06K 9/00288)}	< administrative transfer to G06V 40/169 >
D	G06K 9/00281	3	{Local features and components; Facial parts (iris recognition G06K 9/00597); Occluding parts, e.g. glasses; Geometrical relationships}	< administrative transfer to G06V 40/171 >
D	G06K 9/00288	2	{Classification, e.g. identification}	< administrative transfer to G06V 40/172 >
D	G06K 9/00295	3	{of unknown faces, i.e. recognising the same non-enrolled faces, e.g. recognising the unknown faces across different face tracks (tracking in general G06T 7/20; detecting affinities between people using analysis of image collections G06K 9/00677)}	< administrative transfer to G06V 40/173 >
D	G06K 9/00302	2	{Facial expression recognition}	< administrative transfer to G06V 40/174 >
D	G06K 9/00308	3	{Static expression}	< administrative transfer to G06V 40/175 >
D	G06K 9/00315	3	{Dynamic expression}	< administrative transfer to G06V 40/176 >
D	G06K 2009/00322	2	{estimating age from face image; using age information for improving recognition}	< administrative transfer to G06V 40/178 >
D	G06K 2009/00328	2	{metadata assisted face recognition}	< administrative transfer to G06V 40/179 >

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/00335	1	{Recognising movements or behaviour, e.g. recognition of gestures, dynamic facial expressions; Lip-reading (using movements or postures of body parts for inputting data to a computer G06F 3/00; static facial expressions G06K 9/00221; recognition of scene events G06K 9/00624; analysis of movement G06T 7/20; lip-reading assisted speech recognition G10L 15/24)}	< administrative transfer to G06V 40/20 >
D	G06K 9/00342	2	{Recognition of whole body movements, e.g. for sport training}	< administrative transfer to G06V 40/23 >
D	G06K 9/00348	3	{Recognition of walking or running movements, e.g. gait recognition}	< administrative transfer to G06V 40/25 >
D	G06K 9/00355	2	{Recognition of hand or arm movements, e.g. recognition of deaf sign language (static hand posture recognition G06K 9/00375)}	< administrative transfer to G06V 40/28 >
D	G06K 9/00362	1	{Recognising human body or animal bodies, e.g. vehicle occupant, pedestrian; Recognising body parts, e.g. hand (passenger detection systems B60N 2/002; handprints G06K 9/00006; face and facial components G06K 9/00221; eyes G06K 9/00597; determining position of passenger G06T 7/70)}	< administrative transfer to G06V 40/10 >
D	G06K 9/00369	2	{Recognition of whole body, e.g. static pedestrian or occupant recognition (G06K 9/00342 takes precedence)}	< administrative transfer to G06V 40/103 >

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/00375	2	{Recognition of hand or arm, e.g. static hand biometric or posture recognition (G06K 9/00355 takes precedence; palmprint and fingerprint recognition G06K 9/00006)}	< administrative transfer to G06V 40/107 >
D	G06K 9/00382	3	{Static hand biometric or posture recognition}	< administrative transfer to G06V 40/11 >
D	G06K 9/00389	3	{Static hand gesture recognition}	< administrative transfer to G06V 40/113 >
D	G06K 2009/00395	2	{Biometrics derived from hands; static hand pose gestures}	< administrative transfer to G06V 40/117 >
D	G06K 9/00402	1	{Recognising digital ink, i.e. recognising temporal sequences of handwritten position coordinates (G06K 9/00154 takes precedence; interaction arrangements using gestures traced on a digitiser G06F 3/04883; acquisition of digital ink as far as essentially related to recognition G06K 9/222)}	< administrative transfer to G06V 30/32 >
D	G06K 9/00409	2	{Preprocessing; Feature extraction}	< administrative transfer to G06V 30/333>
D	G06K 9/00416	3	{Sampling; contour coding; stroke extraction}	< administrative transfer to G06V 30/347>
D	G06K 9/00422	2	{Matching; classification}	< administrative transfer to G06V 30/36>
D	G06K 9/00429	3	{using a special pattern or subpattern alphabet}	< administrative transfer to G06V 30/373 >
D	G06K 9/00436	3	{using human interaction, e.g. selection of the best displayed recognition candidate}	< administrative transfer to G06V 30/387>
D	G06K 9/00442	1	{Document analysis and understanding; Document recognition}	< administrative transfer to G06V 30/40 >
D	G06K 9/00449	2	{Layout structured with printed lines or input boxes, e.g. business forms, tables (tables without printed lines or boxes G06K 9/00463; identification of document type using identifier or marker G06K 9/2054)}	< administrative transfer to G06V 30/412 >

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/00456	2	{Classification of image contents, e.g. text, photographs, tables (discrimination based on image tones H04N 1/40062)}	< administrative transfer to G06V 30/413 >
D	G06K 9/00463	2	{Document analysis by extracting the geometrical structure, e.g. layout tree; Block segmentation, e.g. bounding boxes for graphics, paragraphs, words or letters}	< administrative transfer to G06V 30/414 >
D	G06K 9/00469	2	{Document understanding by extracting the logical structure, e.g. chapters, sections, columns, titles, paragraphs, captions, page number, and identifying its elements, e.g. author, keywords, ZIP code, money amount}	< administrative transfer to G06V 30/416>
D	G06K 9/00476	2	{Reading or recognising technical drawings or geographical maps}	< administrative transfer to G06V 30/422 >
D	G06K 9/00483	2	{Document matching}	< administrative transfer to G06V 30/418 >
D	G06K 2009/00489	2	{Editing text-bitmaps, e.g. alignment, spacing; Semantic analysis of bitmaps of text without OCR}	< administrative transfer to G06V 30/43 >
M	G06K 9/00496	1	{Recognising patterns in signals and combinations thereof (analysing specific medical signals, e.g. bioelectric signals, blood pressure A61B5/00; analysis of chromatographic signals G01N30/86; processing radar and similar signals G01S; processing seismic signals G01V1/28, G01V1/46; writer recognition, reading and verifying signatures G06V40/30; acoustic speech processing G10L; transmission systems H04B1/00)}	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/00577	1	{Recognising objects characterised by unique random properties, i.e. objects having a physically unclonable function [PUF], e.g. authenticating objects based on their unclonable texture (verifying genuineness of valuable papers G07D 7/00)}	< administrative transfer to G06V 20/80 >
D	G06K 2009/00583	2	{Recognition of the sensor which acquired the data, e.g. based on sensor idiosyncrasies}	< administrative transfer to G06V 20/90 >
D	G06K 2009/0059	2	{markers for authenticating, copy prevention}	< administrative transfer to G06V 20/95 >
D	G06K 9/00597	1	{Acquiring or recognising eyes, e.g. iris verification}	< administrative transfer to G06V 40/18 >
D	G06K 9/00604	2	{Acquisition}	< administrative transfer to G06V 40/19 >
D	G06K 9/0061	2	{Preprocessing; Feature extraction}	< administrative transfer to G06V 40/193>
D	G06K 9/00617	2	{Matching; Classification}	< administrative transfer to G06V 40/197 >
D	G06K 9/00624	1	{Recognising scenes, i.e. recognition of a whole field of perception; recognising scene-specific objects (image retrieval G06F 16/50; video retrieval G06F 16/70; image analysis and image segmentation, e.g. pixel labelling G06T 7/00; alarm systems G08B; traffic control G08G; pictorial communication H04N)}	< administrative transfer to G06V 20/00 >
D	G06K 9/0063	2	{Recognising patterns in remote scenes, e.g. aerial images, vegetation versus urban areas (radar and similar technologies G01S; segmentation for general image processing G06T 7/10)}	< administrative transfer to G06V 20/13 >
D	G06K 9/00637	3	{of urban or other man made structures}	< administrative transfer to G06V 20/176 >
D	G06K 2009/00644	3	{using hyperspectral data, i.e. more or other wavelengths than RGB}	< administrative transfer to G06V 20/194 >
D	G06K 9/00651	3	{of network patterns, such as roads, rivers}	< administrative transfer to G06V 20/182 >

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/00657	3	{of vegetation}	< administrative transfer to G06V 20/188 >
D	G06K 9/00664	2	{Recognising scenes such as could be captured by a camera operated by a pedestrian or robot, including objects at substantially different ranges from the camera}	< administrative transfer to G06V 20/10 >
D	G06K 9/00671	3	{for providing information about objects in the scene to a user, e.g. as in augmented reality applications}	< administrative transfer to G06V 20/20 >
D	G06K 9/00677	3	{Analysis of image collections based on shared content, e.g. to detect affinity between persons}	< administrative transfer to G06V 20/30 >
D	G06K 9/00684	3	{Categorising the entire scene, e.g. birthday party or wedding scene}	< administrative transfer to G06V 20/35 >
D	G06K 9/00691	4	{Indoor scenes}	< administrative transfer to G06V 20/36 >
D	G06K 9/00697	4	{Outdoor scenes}	< administrative transfer to G06V 20/38 >
D	G06K 9/00704	5	{Urban scenes}	< administrative transfer to G06V 20/39 >
D	G06K 9/00711	2	{Recognising video content, e.g. extracting audiovisual features from movies, extracting representative key-frames, discriminating news vs. sport content (information retrieval in video databases G06F 16/70; recognition of movements or behaviour G06K 9/00335; extracting overlay text G06K 9/3266; fusion techniques G06K 9/6288; speech recognition G10L 15/00; indexing of audio and video or audiovisual data on record media using extracted features or characteristics G11B 27/28)}	< administrative transfer to G06V 20/40 >

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/00718	3	{Higher-level, semantic clustering, classification or understanding of video scenes, e.g. detection, labelling or Markovian modelling of sport events or news items (segmenting video sequences G06K 9/00765; clustering techniques per se G06K 9/6218; classification techniques per se G06K 9/6267)}	< administrative transfer to G06V 20/41 >
D	G06K 9/00724	4	{of sport video content (determination of trajectories G06T 7/20)}	< administrative transfer to G06V 20/42 >
D	G06K 9/00731	4	{of news video content}	< administrative transfer to G06V 20/43 >
D	G06K 2009/00738	3	{Event detection}	< administrative transfer to G06V 20/44 >
D	G06K 9/00744	3	{Extracting features from the video content, e.g. video "fingerprints", or characteristics, e.g. by automatic extraction of representative shots or key frames (segmentation for general image processing G06T 7/10; use of extracted content features in video information retrieval G06F 16/783; automated annotation of image based on image contents G06K 9/00671; determination of region of interest for recognition G06K 9/3233; extraction of image features or characteristics G06K 9/46; determining representative patterns G06K 9/6255)}	< administrative transfer to G06V 20/46 >
D	G06K 9/00751	4	{Detecting suitable features for summarising video content (presentation in the form of a video summary G06F 16/739; editing video summary G11B 27/034; programmed access to video content G11B 27/105)}	< administrative transfer to G06V 20/47 >

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/00758	3	{Matching video sequences (aligning the image field G06K 9/32; image matching techniques G06K 9/00201, G06K 9/62; registration of image sequences G06T 7/38)}	< administrative transfer to G06V 20/48 >
D	G06K 9/00765	3	{Segmenting video sequences, i.e. computational techniques such as parsing or cutting the sequence, low-level clustering or determining units such as shots and scenes (segmentation of touching or overlapping patterns in the image field G06K 9/34; segmentation for general image processing G06T 7/10; segmentation of an image based on motion information G06T 7/215; picture signal circuitry for scene change detection H04N 5/147)}	< administrative transfer to G06V 20/49 >
D	G06K 9/00771	2	{Recognising scenes under surveillance, e.g. with Markovian modelling of scene activity (G06K 9/00785 takes precedence; recognition of movements or behaviour G06K 9/00335; motion analysis using general image processing G06T 7/20; intruder alarms using image scanning and comparing systems G08B 13/194; circuitry for movement detection and estimation for pictorial communication H04N 5/144; closed circuit television systems H04N 7/18)}	< administrative transfer to G06V 20/52 >
D	G06K 9/00778	3	{Recognition or static of dynamic crowd images, e.g. recognition of crowd congestion (recognition of individual pedestrians G06K 9/00369, recognition of whole body movements G06K 9/00342; counting mechanisms G06M;	< administrative transfer to G06V 20/53 >

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
			analysis of motion G06T 7/20; individual entry or exit registers G07C 9/00)}	
D	G06K 9/00785	2	{Recognising traffic patterns acquired by static cameras (measuring or analysing of parameters relative to traffic conditions G08G 1/0104; analysing traffic situation by means of optical sensors G08G 1/04)}	< administrative transfer to G06V 20/54 >
D	G06K 9/00791	2	{Recognising scenes perceived from the perspective of a land vehicle, e.g. recognising lanes, obstacles or traffic signs on road scenes (vehicle signalling devices B60Q 9/005, B60Q 1/525; viewing systems for vehicles being directed to the improvement of the driver's vision B60R 1/00; means for informing the driver B60W 50/14; steering aid displays B62D 15/02; control of position of land vehicles using camera and image processing G05D 1/0246; traffic control for road vehicles, e.g. involving several vehicles or traffic rules G08G 1/00)}	< administrative transfer to G06V 20/56 >
D	G06K 9/00798	3	{Recognition of lanes or road borders, e.g. of lane markings, or recognition of driver's driving pattern in relation to lanes perceived from the vehicle; Analysis of car trajectory relative to detected road (determination of trajectories G06T 7/20)}	< administrative transfer to G06V 20/588 >
D	G06K 9/00805	3	{Detecting potential obstacles (recognising people G06K 9/00362)}	< administrative transfer to G06V 20/58 >
D	G06K 9/00812	3	{Recognition of available parking space}	< administrative transfer to G06V 20/586 >
D	G06K 9/00818	3	{Recognising traffic signs}	< administrative transfer to G06V 20/582 >

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/00825	3	{Recognition of vehicle or traffic lights}	< administrative transfer to G06V 20/584 >
D	G06K 9/00832	2	{Recognising scenes inside a vehicle, e.g. related to occupancy, driver state, inner lighting conditions}	< administrative transfer to G06V 20/59 >
D	G06K 9/00838	3	{Recognising seat occupancy, e.g. forward or rearward facing child seat}	< administrative transfer to G06V 20/593 >
D	G06K 9/00845	3	{Recognising the driver's state or behaviour, e.g. attention, drowsiness (anti-dozing alarms G08B 21/06; safety device responsive to condition of driver B60K 28/02; psychotechnic devices for vehicle drivers A61B 5/18)}	< administrative transfer to G06V 20/597 >
D	G06K 9/00852	1	{Recognising whole cursive words}	< administrative transfer to G06V 30/226 >
D	G06K 9/00859	2	{using word shape}	< administrative transfer to G06V 30/2264 >
D	G06K 9/00865	2	{using stroke segmentation}	< administrative transfer to G06V 30/2268 >
D	G06K 9/00872	3	{with lexical matching}	< administrative transfer to G06V 30/2272 >
D	G06K 9/00879	3	{with probabilistic networks, e.g. hidden Markov models}	< administrative transfer to G06V 30/2276 >
D	G06K 9/00885	1	{Biometric patterns not provided for under G06K 9/00006, G06K 9/00154, G06K 9/00335, G06K 9/00362, G06K 9/00597; Biometric specific functions not specific to the kind of biometric}	< administrative transfer to G06V 40/10 >
D	G06K 9/00892	2	{Use of multiple biometrics (sensor fusion G06K 9/6289)}	< administrative transfer to G06V 40/70 >
D	G06K 9/00899	2	{Spoof detection (G06K 9/00107 takes precedence)}	< administrative transfer to G06V 40/40 >
D	G06K 9/00906	3	{Detection of body part being alive}	< administrative transfer to G06V 40/45 >
D	G06K 9/00912	2	{Interactive means for assisting the user in correctly positioning the object of interest}	< administrative transfer to G06V 40/67 >

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/00919	2	{Static means for assisting the user in correctly positioning the object of interest}	< administrative transfer to G06V 40/63 >
D	G06K 9/00926	2	{Maintenance of references; Enrolment}	< administrative transfer to G06V 40/50 >
D	G06K 2009/00932	2	{Subcutaneous biometric features; Blood vessel patterns}	< administrative transfer to G06V 40/14 >
D	G06K 2009/00939	2	{Biometric patterns based on physiological signals, e.g. heartbeat, blood flow}	< administrative transfer to G06V 40/15 >
D	G06K 2009/00946	2	{for forensic purposes}	< administrative transfer to G06V 40/155 >
D	G06K 2009/00953	2	{Measures to keep reference information secret, e.g. cancellable biometrics}	< administrative transfer to G06V 40/53 >
D	G06K 2009/00959	3	{Performing matching on a personal external card, e.g. to avoid submitting reference information}	< administrative transfer to G06V 40/55 >
D	G06K 2009/00966	2	{Solutions for unknown imposter distribution}	< administrative transfer to G06V 40/58 >
D	G06K 9/00973	1	{Hardware and software architectures for pattern recognition, e.g. modular organisation}	< administrative transfer to G06V 10/94 >
D	G06K 9/00979	2	{structured as a network}	< administrative transfer to G06V 10/95 >
D	G06K 9/00986	2	{using specific electronic processors}	< administrative transfer to G06V 10/955 >
D	G06K 9/00993	1	{Management of recognition tasks}	< administrative transfer to G06V 10/96 >
D	G06K 9/03	1	Detection or correction of errors, e.g. by rescanning the pattern {(validation or performance evaluation G06K 9/6261)}	< administrative transfer to G06V 10/98 >
D	G06K 9/033	2	{with the intervention of an operator}	< administrative transfer to G06V 10/987 >
D	G06K 9/036	2	{Evaluation of quality of acquired pattern}	< administrative transfer to G06V 10/993 >

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/18	1	using printed characters having additional code marks or containing code marks, e.g. the character being composed of individual strokes of different shape, each representing a different code value	< administrative transfer to G06V 30/224 >
D	G06K 9/183	2	{Characters composed of bars, e.g. CMC-7 (bar code forming unreadable characters, e.g. UPC, G06K 7/00)}	< administrative transfer to G06V 30/2247 >
D	G06K 9/186	2	{Recognition of characters printed with magnetic ink (G06K 9/183 takes precedence)}	< administrative transfer to G06V 30/2253 >
D	G06K 9/20	1	Image acquisition	< administrative transfer to G06V 10/10 >
D	G06K 9/2009	2	{Construction of image pick-up using regular bi-dimensional dissection}	< administrative transfer to G06V 10/12 >
D	G06K 9/2018	2	{Identifying/ignoring parts by sensing at different wavelengths}	< administrative transfer to G06V 10/143 >
D	G06K 9/2027	2	{Illumination control}	< administrative transfer to G06V 10/141 >
D	G06K 9/2036	2	{Special illumination such as grating, reflections, deflections, e.g. for characters with relief}	< administrative transfer to G06V 10/145 >
D	G06K 2009/2045	2	{using multiple overlapping images}	< administrative transfer to G06V 10/16 >
D	G06K 9/2054	2	{Selective acquisition/locating/processing of specific regions, e.g. highlighted text, fiducial marks, predetermined fields, document type identification (G06K 9/2018, G06K 9/209 take precedence; recognising the document type with the paragraph layout G06K 9/00442; recognising the document type with the layout of printed lines or input boxes G06K 9/00449)}	< administrative transfer to G06V 10/22 >

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/2063	3	{based on a marking or identifier characterising the document or the area (markings for centering the field of view on the document G06K 9/3216)}	< administrative transfer to G06V 10/225 >
D	G06K 9/2072	3	{based on positionally close symbols, e.g. amount sign or URL-specific characters (recognition with lexical or semantic contextt G06K 9/72)}	< administrative transfer to G06V 10/23 >
D	G06K 9/2081	3	{based on user interaction}	< administrative transfer to G06V 10/235 >
D	G06K 9/209	2	{Sensor details, e.g. position, configuration, special lenses (G06K 9/2018 takes precedence)}	< administrative transfer to G06V 10/147 >
D	G06K 9/22	2	using hand-held instruments	< administrative transfer to G06V 10/17 >
D	G06K 9/222	3	{the instrument generating sequences of position coordinates corresponding to handwriting; preprocessing or recognising digital ink (pen or stylus type devices inputting position G06F 3/03545, light pens G06F 3/03542; interaction arrangements using gestures traced on a digitiser G06F 3/04883)}	< administrative transfer to G06V 30/1423 >
D	G06K 9/224	4	{in three dimensions}	< administrative transfer to G06V 30/228 >
D	G06K 2009/226	3	{by sensing position defining codes on a support}	< administrative transfer to G06V 10/19 >
D	G06K 9/228	3	{Hand-held scanners; Optical wands}	< administrative transfer to G06V 30/142 >
D	G06K 9/24	3	Construction of the instrument	< administrative transfer to G06V 10/12 >
D	G06K 9/26	2	using a slot moved over the image	< administrative transfer to G06V 30/144 >
D	G06K 9/28	2	using discrete sensing elements at predetermined points	< administrative transfer to G06V 30/144 >
D	G06K 9/30	2	using automatic curve following means	< administrative transfer to G06V 30/144 >

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/32	2	Aligning or centering of the image pick-up or image-field	< administrative transfer to G06V 10/24 >
D	G06K 9/3208	3	{Orientation detection or correction, e.g. rotation of multiples of 90 degrees}	< administrative transfer to G06V 10/242 >
D	G06K 9/3216	3	{by locating a pattern (G06K 9/3208, G06K 9/3275 take precedence; centering within a document with a marking G06K 9/2063)}	< administrative transfer to G06V 10/245 >
D	G06K 2009/3225	4	{Special marks for positioning}	< administrative transfer to G06V 10/245 >
D	G06K 9/3233	3	{Determination of region of interest (segmentation for general image processing G06T 7/10)}	< administrative transfer to G06V 10/25 >
D	G06K 9/3241	4	{Recognising objects as potential recognition candidates based on visual cues, e.g. shape}	< administrative transfer to G06V 10/255 >
D	G06K 9/325	4	{Detection of text region in scene imagery, real life image or Web pages, e.g. licenses plates, captions on TV images}	< administrative transfer to G06V 20/62 >
D	G06K 9/3258	5	{Scene text, e.g. street name}	<administrative transfer to G06V 20/63 >
D	G06K 9/3266	5	{Overlay text, e.g. embedded caption in TV program}	<administrative transfer to G06V 20/635 >
D	G06K 9/3275	3	{Inclination (skew) detection or correction of characters or of image to be recognised (determining orientation of objects in general G06T 7/70)}	< administrative transfer to G06V 10/243 >
D	G06K 9/3283	4	{of characters or characters lines}	< administrative transfer to G06V 30/1478 >
D	G06K 2009/3291	3	{Pattern tracking}	< administrative transfer to G06V 10/62 >

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/34	2	Segmentation of touching or overlapping patterns in the image field {(segmentation by quantisation, e.g. thresholding, G06K 9/38; edge detection for image feature extraction G06K 9/4604; extraction of connected components or edge linking G06K 9/4638; segmentation or edge detection for general image processing G06T 7/10)}	< administrative transfer to G06V 10/26 >
D	G06K 9/342	3	{Cutting or merging image elements, e.g. region growing, watershed, clustering-based techniques (smoothing or thinning of patterns G06K 9/44; clustering techniques G06K 9/6218; region-based segmentation for general image processing G06T 7/11)}	< administrative transfer to G06V 10/267 >
D	G06K 9/344	3	{using recognition of characters or words (lexical postprocessing of segmented characters G06K 9/72)}	<administrative transfer to G06V 30/153 >
D	G06K 9/346	3	{Removing patterns interfering with the pattern to be recognised, such as ruled lines, underlines (extracting table structures G06K 9/00442; document recognition G06K 9/2054)}	< administrative transfer to G06V 10/273 >
D	G06K 9/348	3	{using character size, text spacings, pitch estimation}	<administrative transfer to G06V 30/158 >
D	G06K 9/36	1	Image preprocessing, i.e. processing the image information without deciding about the identity of the image (image data processing or generation, in general G06T)	<administrative transfer to G06V 10/20 >
D	G06K 2009/363	2	{Correcting image deformation, e.g. trapezoidal deformation caused by perspective}	<administrative transfer to G06V 10/247 >

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 2009/366	2	{Interactive preprocessing or shape modelling, e.g. assignment of feature points by a user}	<administrative transfer to G06V 10/248 >
D	G06K 9/38	2	Quantising the analogue image signal {, e.g. histogram thresholding for discrimination between background and foreground patterns (region-based segmentation of touching or overlapping patterns G06K 9/342; image segmentation for general image processing G06T 7/11)}	<administrative transfer to G06V 10/28 >
D	G06K 9/40	2	Noise filtering {(restoration for general image processing G06T 5/001; morphologic operations for general image enhancement G06T 5/30)}	<administrative transfer to G06V 10/30 >
D	G06K 9/42	2	Normalisation of the pattern dimensions	<administrative transfer to G06V 10/32 >
D	G06K 9/44	2	Smoothing or thinning of the pattern {(restoration for general image processing G06T 5/001; morphologic operations for general image enhancement G06T 5/30)}	<administrative transfer to G06V 10/34 >
D	G06K 9/46	2	Extraction of features or characteristics of the image {(segmentation of touching or overlapping patterns G06K 9/34; edge detection for feature extraction G06K 9/4604; segmentation or edge detection for general image processing G06T 7/10)}	<administrative transfer to G06V 10/40 >
D	G06K 9/4604	3	{Detecting partial patterns, e.g. edges or contours, or configurations, e.g. loops, corners, strokes, intersections (extracting features by contour coding G06K 9/48; edge-based segmentation for general image processing G06T 7/12; edge detection for general image processing G06T 7/13)}	< administrative transfer to G06V 10/44 >

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to[#]
D	G06K 9/4609	4	{by matching or filtering}	< administrative transfer to G06V 10/443 >
D	G06K 9/4614	5	{filtering with Haar-like subimages, e.g. computation thereof with the integral image technique (biologically-inspired filters such as Gabor wavelets or local ICA kernels G06K 9/4619; local approaches in face detection or representation G06K 9/00248, G06K 9/00281)}	< administrative transfer to G06V 10/446 >
D	G06K 9/4619	5	{Biologically-inspired filters, e.g. receptive fields}	< administrative transfer to G06V 10/449 >
D	G06K 9/4623	6	{with interaction between the responses of different filters}	< administrative transfer to G06V 10/451 >
D	G06K 9/4628	7	{Integrating the filters into a hierarchical structure}	< administrative transfer to G06V 10/454 >
D	G06K 9/4633	4	{by mapping characteristic values of the pattern into a parameter space, e.g. Hough transformation}	< administrative transfer to G06V 10/48 >
D	G06K 9/4638	4	{by analysing connectivity relationships of elements of the pattern, e.g. by edge linking, by connected component or neighbouring slice analysis, by Markov Random Field [MRF] analysis (segmentation of touching or overlapping patterns involving probabilistic approaches G06K 9/34; MRF and other Markovian models in general G06K 9/6296; computing shortest geodesic path G06K 9/6215; segmentation involving probabilistic approaches for general image processing G06T 7/143)}	< administrative transfer to G06V 10/457 >
D	G06K 9/4642	3	{by performing operations within image blocks or by using histograms (G06K 9/4652 and G06K 9/4671 take precedence; matching image histograms G06K 9/6212)}	< administrative transfer to G06V 10/50 >

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/4647	4	{summing image-intensity values; Projection and histogram analysis (intersections with "scanning" patterns G06K 9/50; G06K 9/4652 takes precedence)}	< administrative transfer to G06V 10/507 >
D	G06K 9/4652	3	{related to colour (G06K 9/4671 takes precedence; colour-based face detection G06K 9/00234; colour analysis in general G06T 7/90; region-based segmentation for general image processing G06T 7/11; colour conversion and processing H04N 1/46; coding colour pictures signals using a reduced set of representative colours H04N 1/644)}	< administrative transfer to G06V 10/56 >
D	G06K 2009/4657	3	{involving specific hyperspectral computations of features}	< administrative transfer to G06V 10/58 >
D	G06K 9/4661	3	{related to illumination properties, e.g. according to a reflectance or lighting model (depth from shading G06T 7/507; image rendering with lighting effects G06T 15/50)}	< administrative transfer to G06V 10/60 >
D	G06K 2009/4666	3	{regional/local feature not essentially salient, e.g. local binary pattern}	< administrative transfer to G06V 10/467 >
D	G06K 9/4671	3	{Extracting features based on salient regional features, e.g. Scale Invariant Feature Transform [SIFT] keypoints (determination of region of interest for recognition [ROI] G06K 9/3233; extraction of specific shape primitives, e.g. corner or loop, or of configurations thereof, G06K 9/4604; biologically-inspired systems integrating saliency maps, e.g. for modelling visual attention	< administrative transfer to G06V 10/462 >

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
			G06K 9/4628; global invariant features G06K 9/52)}	
D	G06K 9/4676	4	{Extracting features based on a plurality of salient regional features, e.g. "bag of words" (saliency map with interactions such as reinforcement or inhibition G06K 9/4623)}	< administrative transfer to G06V 10/464 >
D	G06K 9/468	3	{related to a structural representation of the pattern}	< administrative transfer to G06V 10/422 >
D	G06K 9/4685	4	{Syntactic representation, e.g. using a grammatical approach (syntactic pattern recognition G06K 9/6878)}	< administrative transfer to G06V 10/424 >
D	G06K 9/469	4	{Graphical representation, e.g. directed attributed graph (graph matching G06K 9/6892)}	< administrative transfer to G06V 10/426 >
D	G06K 2009/4695	3	{sparse representation}	< administrative transfer to G06V 10/513 >
D	G06K 9/48	3	by coding the contour of the pattern {contour related features or features from contour like patterns, e.g. hand-drawn point-sequence}	< administrative transfer to G06V 10/46 >
D	G06K 9/481	4	{using vector-coding}	< administrative transfer to G06V 10/469 >
D	G06K 9/482	4	{analysing the spectrum of the contour, e.g. Fourier expansion}	< administrative transfer to G06V 10/478 >
D	G06K 2009/484	4	{using an approximation function}	< administrative transfer to G06V 10/471 >
D	G06K 2009/485	4	{using a gradient analysis}	< administrative transfer to G06V 10/473 >
D	G06K 2009/487	4	{using statistical shape modelling, e.g. point distribution model}	< administrative transfer to G06V 10/476 >
D	G06K 2009/488	4	{using wavelet analysis}	< administrative transfer to G06V 10/478 >
D	G06K 9/50	3	by analysing segments intersecting the pattern {segments obtained by the intersection of the pattern with a scanning pattern, e.g. random scanning, circular scanning (G06K 9/4638 takes precedence)}	< administrative transfer to G06V 10/421 >

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/52	3	by deriving mathematical or geometrical properties from the whole image	< administrative transfer to G06V 10/42 >
D	G06K 9/522	4	{Frequency domain transformation; Autocorrelation}	< administrative transfer to G06V 10/431 >
D	G06K 9/525	4	{Computation of moments (moments not relevant for pattern recognition G06T 7/66)}	< administrative transfer to G06V 10/435 >
D	G06K 9/527	4	{Scale-space domain transformation, e.g. with wavelet analysis (wavelet transform as such G06F 17/148; compression of images with wavelet transform H04N 19/00)}	< administrative transfer to G06V 10/52 >
D	G06K 9/54	2	Combinations of preprocessing functions	< administrative transfer to G06V 10/20 >
D	G06K 9/56	3	using a local operator, i.e. means to operate on an elementary image point in terms of the immediate surroundings of this point {(local operators for general image enhancement G06T 5/20)}	< administrative transfer to G06V 10/36 >
D	G06K 9/58	2	using optical means	< administrative transfer to G06V 10/88 >
D	G06K 2009/585	3	{using a wedge-ring detector, e.g. in Fourier space}	< administrative transfer to G06V 10/88 >
D	G06K 9/60	1	Combination of image acquisition and preprocessing functions	< administrative transfer to G06V 10/20>
D	G06K 9/605	2	{the combination being locally implemented within the sensing arrangement, e.g. artificial retina (receptive fields G06K 9/4619; enhancement in image sensors H04N 3/15, H04N 5/217, H04N 5/232, H04N 5/235)}	< administrative transfer to G06V 10/20 >
C	G06K 9/62	1	Methods or arrangements for pattern recognition using electronic means	G06K 9/62, G06V 10/70, G06V 10/766, G06V 30/19
C	G06K 9/6201	2	{Matching; Proximity measures}	G06K 9/6201, G06V 10/75, G06V 30/19007

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/6202	3	{Comparing pixel values or logical combinations thereof, or feature values having positional relevance, e.g. template matching (specially adapted for image alignment G06T 7/30; specially adapted for position determination G06T 7/70; specially adapted for the calculation of depth from stereo images G06T 7/50; specially adapted for image segmentation G06T 7/10; specially adapted for the analysis of motion G06T 7/20)}	< administrative transfer to G06V 10/751 >
D	G06K 9/6203	4	{Shifting or otherwise transforming the patterns to accommodate for positional errors}	< administrative transfer to G06V 10/7515>
D	G06K 9/6204	5	{Matching of contours (G06K 9/6206, G06K 9/6211 take precedence)}	< administrative transfer to G06V 10/752 >
D	G06K 9/6205	6	{by mapping curve parameters onto an accumulator array, e.g. generalised Hough Transform (detecting primitive shapes such as lines and circles by accumulating parameters of a known equation G06K 9/4633)}	< administrative transfer to G06V 10/753 >
D	G06K 9/6206	5	{involving a deformation of the sample or reference pattern; Elastic matching (segmentation of touching or overlapping patterns involving deformable models G06K 9/34; segmentation involving deformable models for general image processing G06T 7/149)}	< administrative transfer to G06V 10/754 >
D	G06K 9/6207	6	{based on a local optimisation criterion, e.g. "snakes", i.e. active contour models of the pattern to be recognised}	< administrative transfer to G06V 10/755 >
D	G06K 9/6209	6	{based on shape statistics, e.g. active shape models of the pattern to be recognised}	< administrative transfer to G06V 10/7553 >

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to[#]
D	G06K 9/621	7	{based also on statistics of image patches, e.g. active appearance models of the pattern to be recognised}	< administrative transfer to G06V 10/7557 >
D	G06K 9/6211	5	{Matching configurations of points or features, e.g. constellation matching (G06K 9/00087 takes precedence)}	< administrative transfer to G06V 10/757 >
D	G06K 9/6212	3	{Comparing statistics of pixel or of feature values, e.g. histogram matching}	< administrative transfer to G06V 10/758 >
D	G06K 2009/6213	3	{region based matching}	< administrative transfer to G06V 10/759 >
D	G06K 9/6214	3	{based on a parametric eigenspace representation, e.g. eigenspace representation using pose or illumination parameters; Shape manifold}	< administrative transfer to G06V 10/76 >
C	G06K 9/6215	3	{Proximity measures, i.e. similarity or distance measures}	G06K 9/6215, G06V 10/761, G06V 30/19093
C	G06K 9/6217	2	{Design or setup of recognition systems and techniques; Extraction of features in feature space; Clustering techniques; Blind source separation (regression analysis G06F 17/18)}	G06K 9/6217, G06V 10/70, G06V 10/766, G06V 30/191
C	G06K 9/6218	3	{Clustering techniques}	G06K 9/6218, G06V 10/762, G06V 30/19107
C	G06K 9/6219	4	{Hierarchical techniques, i.e. dividing or merging pattern sets so as to obtain a dendogram}	G06K 9/6219, G06V 10/7625, G06V 30/19107
C	G06K 9/622	4	{Non-hierarchical partitioning techniques}	G06K 9/622, G06V 10/763, G06V 30/19107
C	G06K 9/6221	5	{based on statistics}	G06K 9/6221, G06V 10/763, G06V 30/19107
C	G06K 9/6222	6	{with an adaptive number of clusters, e.g. ISODATA technique}	G06K 9/6222, G06V 10/763, G06V 30/19107
C	G06K 9/6223	6	{with a fixed number of clusters, e.g. K-means clustering}	G06K 9/6223, G06V 10/763, G06V 30/19107

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
C	G06K 9/6224	5	{based on graph theory, e.g. Minimum Spanning Trees [MST], graph cuts, spectral clustering techniques (graph embedding G06K 9/6252; segmentation involving graph-based approaches for general image processing G06T 7/162; segmentation of touching or overlapping patterns involving graph-based approaches G06V 10/267)}	G06K 9/6224, G06V 10/7635, G06V 30/19107
C	G06K 9/6226	5	{based on the modelling of probability density functions}	G06K 9/6226, G06V 10/763, G06V 30/19107
C	G06K 9/6227	3	{Selection of pattern recognition techniques, e.g. of classifiers in a multi-classifier system}	G06K 9/6227, G06V 10/87, G06V 30/19113
C	G06K 9/6228	3	{Selecting the most significant subset of features (G06K 9/6232 takes precedence)}	G06K 9/6228, G06V 10/771, G06V 30/1912
C	G06K 9/6229	4	{by using evolutionary computational techniques, e.g. genetic algorithms (genetic algorithms per se G06N 3/126)}	G06K 9/6229, G06V 10/771, G06V 30/1912
C	G06K 9/623	4	{by ranking or filtering the set of features, e.g. using a measure of variance or of feature cross-correlation}	G06K 9/623, G06V 10/771, G06V 30/1912
C	G06K 9/6231	4	{by evaluating different subsets according to an optimisation criteria such as class separability, e.g. forward selection, backward elimination (linear discriminant analysis G06K 9/6234)}	G06K 9/6231, G06V 10/771, G06V 30/1912
C	G06K 9/6232	3	{Extracting features by transforming the feature space, e.g. multidimensional scaling; Mappings, e.g. subspace methods}	G06K 9/6232, G06V 10/7715, G06V 30/19127
C	G06K 9/6234	4	{based on a discrimination criterion, e.g. discriminant analysis (discriminant functions G06K 9/6227)}	G06K 9/6234, G06V 10/7715, G06V 30/19127

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
C	G06K 9/6235	5	{Rendering the within-class scatter matrix non-singular}	G06K 9/6235, G06V 10/7715, G06V 30/19127
C	G06K 2009/6236	6	{involving a first projection stage, e.g. Fisherface techniques}	G06K 2009/6236, G06V 10/7715, G06V 30/19127
C	G06K 2009/6237	6	{involving an optimisation, e.g. using regularisation techniques}	G06K 2009/6237, G06V 10/7715, G06V 30/19127
C	G06K 2009/6238	6	{involving a subspace restriction, e.g. nullspace techniques}	G06K 2009/6238, G06V 10/7715, G06V 30/19127
C	G06K 9/6239	4	{based on a naturality criterion, e.g. with non-negative factorisation or negative correlation (matrix computation G06F 17/16)}	G06K 9/6239, G06V 10/7715, G06V 30/19127
C	G06K 9/624	4	{based on a separation criterion, e.g. independent component analysis}	G06K 9/624, G06V 10/7715, G06V 30/19127
C	G06K 9/6242	5	{of statistical independence, i.e. minimising mutual information or maximising non-gaussianity}	G06K 9/6242, G06V 10/7715, G06V 30/19127
C	G06K 9/6243	5	{of decorrelation or non-stationarity, e.g. minimising lagged cross-correlations}	G06K 9/6243, G06V 10/7715, G06V 30/19127
C	G06K 9/6244	5	{enforcing sparsity or involving a domain transformation}	G06K 9/6244, G06V 10/7715, G06V 30/19127
C	G06K 9/6245	6	{characterised by a domain transformation}	G06K 9/6245, G06V 10/7715, G06V 30/19127
C	G06K 9/6246	5	{overcoming non-stationarity or permutations (using non-stationarity for separation G06K 9/6244)}	G06K 9/6246, G06V 10/7715, G06V 30/19127
C	G06K 9/6247	4	{based on an approximation criterion, e.g. principal component analysis}	G06K 9/6247, G06V 10/7715, G06V 30/19127
C	G06K 9/6248	5	{nonlinearly, e.g. embedding a manifold in a Euclidean space (principal curves G06K 9/6251)}	G06K 9/6248, G06V 10/7715, G06V 30/19127
C	G06K 9/6249	4	{based on a sparsity criterion, e.g. with an overcomplete basis (specific for source separation G06K 9/6244; pictorial communication involving matching pursuit H04N 19/97)}	G06K 9/6249, G06V 10/7715, G06V 30/19127

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to[#]
C	G06K 9/6251	4	{based on a criterion of topology preservation, e.g. multidimensional scaling, self-organising maps}	G06K 9/6251, G06V 10/7715, G06V 30/19127
C	G06K 9/6252	5	{involving differential geometry, e.g. embedding of pattern manifold}	G06K 9/6252, G06V 10/7715, G06V 30/19127
C	G06K 9/6253	3	{User interactive design (G06K 9/6263 takes precedence); Environments; Tool boxes}	G06K 9/6253, G06V 10/945
C	G06K 9/6254	4	{Interactive pattern learning with a human teacher}	G06K 9/6254, G06V 10/7788, G06V 30/19133
C	G06K 9/6255	3	{Determining representative reference patterns, e.g. averaging or distorting patterns; Generating dictionaries, e.g. user dictionaries}	G06K 9/6255, G06V 10/772, G06V 30/1914
C	G06K 9/6256	3	{Obtaining sets of training patterns; Bootstrap methods, e.g. bagging, boosting}	G06K 9/6256, G06V 10/774, G06V 30/19147
C	G06K 9/6257	4	{characterised by the organisation or the structure of the process, e.g. boosting cascade (feature selection by floating search G06K 9/6231)}	G06K 9/6257, G06V 10/7747, G06V 30/19147
C	G06K 9/6259	4	{characterised by the incorporation of unlabelled data, e.g. multiple instance learning [MIL], semi-supervised techniques using expectation-maximisation [EM] or naïve labelling (EM techniques G06K 9/6226; validation with "oracles" G06K 9/6263)}	G06K 9/6259, G06V 10/7753, G06V 30/19147
C	G06K 9/626	3	{Selecting classification rules}	G06K 9/626, G06V 10/765, G06V 30/19153
C	G06K 9/6261	3	{partitioning the feature space}	G06K 9/6261, G06V 10/765, G06V 30/19153
C	G06K 9/6262	3	{Validation, performance evaluation or active pattern learning techniques}	G06K 9/6262, G06V 10/776, G06V 10/778, G06V 30/1916, G06V 30/19167, G06V 30/302
C	G06K 9/6263	4	{based on the feedback of a supervisor (relevance feedback in information retrieval G06F 16/00)}	G06K 9/6263, G06V 10/7784, G06V 30/19167

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
C	G06K 9/6264	5	{the supervisor being an automated "intelligent" module, e.g. "intelligent oracle"}	G06K 9/6264, G06V 10/7788, G06V 30/19167
C	G06K 9/6265	4	{based on a specific statistical test}	G06K 9/6265, G06V 10/7796, G06V 30/19167
C	G06K 9/6267	2	{Classification techniques}	G06K 9/6267, G06V 10/764, G06V 30/19173
C	G06K 9/6268	3	{relating to the classification paradigm, e.g. parametric or non-parametric approaches}	G06K 9/6268, G06V 10/764, G06V 30/19173
C	G06K 9/6269	4	{based on the distance between the decision surface and training patterns lying on the boundary of the class cluster, e.g. support vector machines}	G06K 9/6269, G06V 10/764, G06V 30/19173
C	G06K 9/627	4	{based on distances between the pattern to be recognised and training or reference patterns}	G06K 9/627, G06V 10/764, G06V 30/19173
C	G06K 9/6271	5	{based on distances to prototypes}	G06K 9/6271, G06V 10/764, G06V 30/19173
C	G06K 9/6272	6	{based on distances to cluster centroïds}	G06K 9/6272, G06V 10/764, G06V 30/19173
C	G06K 9/6273	7	{Smoothing the distance, e.g. Radial Basis Function Networks}	G06K 9/6273, G06V 10/764, G06V 30/19173
C	G06K 9/6274	6	{based on distances to neighbourhood prototypes, e.g. Restricted Coulomb Energy Networks}	G06K 9/6274, G06V 10/764, G06V 30/19173
C	G06K 9/6276	5	{based on distances to closest patterns, e.g. nearest neighbour classification}	G06K 9/6276, G06V 10/764, G06V 30/19173
C	G06K 9/6277	4	{based on a parametric (probabilistic) model, e.g. based on Neyman-Pearson lemma, likelihood ratio, receiver operating characteristic [ROC] curve plotting a false acceptance rate [FAR] versus a false reject rate [FRR] (segmentation involving probabilistic approaches for general image processing G06T 7/143; segmentation of touching or overlapping patterns involving probabilistic approaches G06V	G06K 9/6277, G06V 10/764, G06V 30/19173

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
			10/26; image connectivity analysis involving probabilistic approaches, e.g. Markov Random Fields techniques, G06V 10/457)}	
C	G06K 9/6278	5	{Bayesian classification}	G06K 9/6278, G06V 10/764, G06V 30/19173
C	G06K 9/6279	3	{relating to the number of classes}	G06K 9/6279, G06V 10/764, G06V 30/19173
C	G06K 9/628	4	{Multiple classes}	G06K 9/628, G06V 10/764, G06V 30/19173
C	G06K 9/6281	5	{Piecewise classification, i.e. whereby each classification requires several discriminant rules}	G06K 9/6281, G06V 10/764, G06V 30/19173
C	G06K 9/6282	6	{Tree-organised sequential classifiers}	G06K 9/6282, G06V 10/764, G06V 30/19173
C	G06K 9/6284	4	{Single class perspective, e.g. one-against-all classification; Novelty detection; Outlier detection}	G06K 9/6284, G06V 10/764, G06V 30/19173
C	G06K 9/6285	3	{relating to the decision surface}	G06K 9/6285, G06V 10/764, G06V 30/19173
C	G06K 9/6286	4	{Linear, e.g. hyperplane}	G06K 9/6286, G06V 10/764, G06V 30/19173
C	G06K 9/6287	4	{Non-linear, e.g. polynomial classifier (G06K 9/6284 takes precedence; classifier with multiple radial basis functions G06K 9/6273)}	G06K 9/6287, G06V 10/764, G06V 30/19173
C	G06K 9/6288	2	{Fusion techniques, i.e. combining data from various sources, e.g. sensor fusion (data unmixing G06K 9/624; bootstrap techniques, e.g. boosting G06K 9/6256; image matching G06V 30/192; fusion of acoustic speaker inputs G10L 17/10)}	G06K 9/6288, G06V 10/80, G06V 30/1918
C	G06K 9/6289	3	{of input or preprocessed data (imaging spectrometers G01J 3/2823; image fusion in general and biomedical image fusion G06T 5/50; processing and conversion of colour signals H04N 1/46)}	G06K 9/6289, G06V 10/803, G06V 30/1918

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
C	G06K 9/629	3	{of extracted features}	G06K 9/629, G06V 10/806, G06V 30/1918
C	G06K 9/6292	3	{of classification results, e.g. of classification results related to same input data (G06K 9/6256 takes precedence)}	G06K 9/6292, G06V 10/809, G06V 30/1918
C	G06K 9/6293	4	{of classification results relating to different input data, e.g. multimodal recognition}	G06K 9/6293, G06V 10/811, G06V 30/1918
C	G06K 2009/6294	3	{belief theory, e.g. Dempster-Shafer}	G06K 2009/6294, G06V 10/814, G06V 30/1918
C	G06K 2009/6295	3	{fusion by voting}	G06K 2009/6295, G06V 10/817, G06V 30/1918
C	G06K 9/6296	2	{Graphical models, e.g. Bayesian networks (probabilistic networks per se G06N 7/005)}	G06K 9/6296, G06V 10/84, G06V 30/19187
C	G06K 9/6297	3	{Markov models or related models, e.g. semi-Markov models; Markov random fields; networks embedding Markov models (segmentation involving probabilistic approaches for general image processing G06T 7/143; segmentation of touching or overlapping patterns involving probabilistic approaches G06V 10/26; image connectivity analysis involving probabilistic approaches, e.g. Markov Random Fields G06V 10/457; application of Markov models to acoustic speech recognition G10L 15/00)}	G06K 9/6297, G06V 10/85, G06V 30/19187
C	G06K 9/6298	2	{Statistical pre-processing, e.g. techniques for normalisation or restoring missing data}	G06K 9/6298, G06V 10/72, G06V 30/19193
D	G06K 9/64	2	using simultaneous comparisons or correlations of the image signals with a plurality of references, e.g. resistor matrix	< administrative transfer to G06V 10/75 >
D	G06K 9/645	3	{using a resistor matrix}	< administrative transfer to G06V 30/195 >
D	G06K 9/66	3	references adjustable by an adaptive method, e.g. learning	< administrative transfer to G06V 30/194 >

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/68	2	using sequential comparisons of the image signals with a plurality of references {in which the sequence of the image signals or the references is relevant}, e.g. addressable memory	< administrative transfer to G06V 10/75 >
D	G06K 9/6807	3	{Dividing the references in groups prior to recognition, the recognition taking place in steps; Selecting relevant dictionaries}	< administrative transfer to G06V 30/242 >
D	G06K 9/6814	4	{according to the graphical properties}	< administrative transfer to G06V 30/244 >
D	G06K 9/6821	5	{Alphabet recognition, e.g. Latin, Kanji, Katakana}	< administrative transfer to G06V 30/2445 >
D	G06K 9/6828	5	{Font recognition}	< administrative transfer to G06V 30/245 >
D	G06K 9/6835	5	{Discrimination between machine-print, hand-print and cursive writing}	< administrative transfer to G06V 30/2455 >
D	G06K 9/6842	4	{according to the linguistic properties, e.g. English, German}	< administrative transfer to G06V 30/246 >
D	G06K 9/685	3	{Involving plural approaches, e.g. verification by template match; resolving confusion among similar patterns, e.g. O & Q (G06K 9/6807 takes precedence)}	< administrative transfer to G06V 30/248 >
D	G06K 9/6857	4	{Coarse/fine approaches, e.g. resolution of ambiguities, multiscale approaches}	< administrative transfer to G06V 30/2504 >
D	G06K 2009/6864	4	{Combination of methods, e.g. classifiers, working on the same input data}	< administrative transfer to G06V 30/2528 >
D	G06K 2009/6871	4	{Combination of methods, e.g. classifiers, working on different input data, e.g. sensor fusion}	< administrative transfer to G06V 30/2552 >
D	G06K 9/6878	3	{Syntactic or structural pattern recognition, e.g. symbolic string recognition}	< administrative transfer to G06V 30/1983 >

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/6885	4	{Syntactic analysis, e.g. using a grammatical approach (syntactic image representation G06K 9/4685)}	< administrative transfer to G06V 30/1985 >
D	G06K 9/6892	4	{Graph matching (graphical image representation G06K 9/469)}	< administrative transfer to G06V 30/1988 >
D	G06K 9/70	3	the selection of the next reference depending on the result of the preceding comparison	< administrative transfer to G06V 10/75>
D	G06K 9/72	2	using context analysis based on the provisionally recognised identity of a number of successive patterns, e.g. a word	< administrative transfer to G06V 10/768 >
D	G06K 9/723	3	{Lexical context (G06K 9/00872 takes precedence)}	< administrative transfer to G06V 30/268 >
D	G06K 9/726	3	{Syntactic or semantic context, e.g. balancing}	< administrative transfer to G06V 30/274 >
D	G06K 9/74	1	Arrangements for recognition using optical reference masks (optical analogue correlation G06E 3/00; {arrangements for optically extracting non-holistic features, e.g. optical wedge-ring detectors, G06K 9/58})	< administrative transfer to G06V 10/88 >
D	G06K 9/741	2	{using frequency domain filters, e.g. Fourier masks implemented on spatial light modulators (spatial light modulators per se G02B 26/00, G02F)}	< administrative transfer to G06V 10/89 >
D	G06K 9/743	3	{characterised by the kind of filter}	< administrative transfer to G06V 10/893 >
D	G06K 9/745	4	{the filter being related to phase processing, e.g. phase-only filters}	< administrative transfer to G06V 10/895>
D	G06K 9/746	4	{the filter being related to the combination of filters, e.g. synthetic discriminant filters}	< administrative transfer to G06V 10/898 >
D	G06K 9/748	2	{using spatial domain filters, e.g. joint transform correlators}	< administrative transfer to G06V 10/92 >
D	G06K 9/76	2	using holographic masks	< administrative transfer to G06V 10/88 >

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K 9/78	1	Combination of image acquisition and recognition functions	< administrative transfer to G06V 10/10 >
D	G06K 9/80	1	Combination of image preprocessing and recognition functions	< administrative transfer to G06V 10/20 >
D	G06K 9/82	2	using optical means in one or both functions	< administrative transfer to G06V 10/88 >
D	G06K2209/00	0	Indexing scheme relating to methods or arrangements for reading or recognising printed or written characters or for recognising patterns, e.g. fingerprints	< administrative transfer to G06V 2201/00 >
D	G06K2209/01	1	Character recognition	< administrative transfer to G06V 30/10 >
D	G06K2209/011	2	of Kanji, Hiragana or Katakana characters	< administrative transfer to G06V 30/287 >
D	G06K2209/013	2	of non-latin characters other than Kanji, Hiragana or Katakana characters	< administrative transfer to G06V 30/293 >
D	G06K2209/015	2	Solutions for problems related to non uniform document background	< administrative transfer to G06V 2201/01 >
D	G06K2209/03	1	Recognising information on displays, dials, clocks	< administrative transfer to G06V 2201/02 >
D	G06K2209/05	1	Recognition of patterns in medical or anatomical images	< administrative transfer to G06V 2201/03 >
D	G06K2209/051	2	of internal organs	< administrative transfer to G06V 2201/031 >
D	G06K2209/053	2	of protuberances, polyps nodules, etc.	< administrative transfer to G06V 2201/032 >
D	G06K2209/055	2	of skeletal patterns	< administrative transfer to G06V 2201/033 >
D	G06K2209/057	2	of medical instruments	< administrative transfer to G06V 2201/034 >
D	G06K2209/07	1	Recognition of patterns in DNA microarray	< administrative transfer to G06V 2201/04 >
D	G06K2209/09	1	Recognition of patterns representing particular kinds of hidden objects, e.g. weapons, explosives, drugs	< administrative transfer to G06V 2201/05 >
D	G06K2209/15	1	Detection and recognition of car license plates	< administrative transfer to G06V 20/625 >

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06K2209/17	1	Recognition of food, fruit, vegetables	< administrative transfer to G06V 20/68 >
D	G06K2209/19	1	Recognition of objects for industrial automation	< administrative transfer to G06V 2201/06 >
D	G06K2209/21	1	Target detection	< administrative transfer to G06V 2201/07 >
D	G06K2209/23	1	Detecting or categorising vehicles	< administrative transfer to G06V 2201/08 >
D	G06K2209/25	1	Recognition of logos	< administrative transfer to G06V 2201/09 >
D	G06K2209/27	1	Recognition assisted with metadata	< administrative transfer to G06V 2201/10 >
D	G06K2209/29	1	Technique has transformation invariance effect	< administrative transfer to G06V 2201/11 >
D	G06K2209/40	1	Acquisition of 3D measurements of objects	< administrative transfer to G06V 2201/12 >
D	G06K2209/401	2	using special illumination	< administrative transfer to G06V 2201/121 >
D	G06K2209/403	2	Computational image acquisition in electron microscopy	< administrative transfer to G06V 2201/122 >
D	G06K2209/50	1	Indexing scheme for indicating the type of disclosure document	< administrative transfer to G06V 2201/13 >
D	G06K2209/501	2	Book	< administrative transfer to G06V 2201/131 >
D	G06K2209/502	2	Book chapter	< administrative transfer to G06V 2201/132 >
D	G06K2209/503	2	Survey article	< administrative transfer to G06V 2201/133 >
D	G06K2209/504	2	Technical report or standard	< administrative transfer to G06V 2201/134 >
D	G06K2209/505	2	Master, PhD or other thesis	< administrative transfer to G06V 2201/135 >
D	G06K2209/506	2	Tutorial	< administrative transfer to G06V 2201/136 >

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

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NOTES:

- **No {curly brackets} are used for titles in CPC only <u>subclasses</u>, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} <u>are</u> used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).

- U groups: it is obligatory to display the required "anchor" symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups).Always include the symbol, indent level and title of the U group in the table above.

- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent leveland title are required for all types.

- "Transferred to" column <u>must</u> be completed for all C, D, Fand Q type entries. F groups will be deleted once reclassification is completed.

- When multiple symbols are included in the "Transferred to" column, avoid using ranges of symbols in order to be as precise as possible.

- For administrative transfer of documents, the following text should be used: "< administrative transfer to XX>", "<administrative transfer to XX and YY simultaneously>", or "<administrative transfer to XX, YY, ...and ZZ simultaneously>" when administrative transfer of the same documents is to more than one place.

- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.

- Administrative transfer to 2000/Y series groups is assumed to be "additional information".

- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations "ADD" or "INV": <administrative transfer to XX ADD> , <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.

- In certain situations, the "D" entries of 2000-series or Y-series groups may not require a destination ("Transferred to") symbol, however it is required to specify "<no transfer>" in the "Transferred to" column for such cases.

- For finalisation projects, the deleted "F" symbols should have <no transfer> in the "Transferred to" column.

- For more details about the types of scheme change, see CPC Guide.

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PROJECT RP0760

SUBCLASS G06V - IMAGE OR VIDEO RECOGNITION OR UNDERSTANDING

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
N	G06V	Subclass	IMAGE OR VIDEO RECOGNITION OR UNDERSTANDING	
N	G06V 10/00	0	Arrangements for image or video recognition or understanding (character recognition in images or video G06V 30/10)	
Q	G06V 10/10	1	Image acquisition (document image scanning and transmission H04N 1/00; control of digital cameras H04N 5/232)	G06V 10/00, G06V 10/10, G06V 10/70, G06V 10/72, G06V 10/74, G06V 10/75, G06V 10/751, G06V 10/7515, G06V 10/752, G06V 10/753, G06V 10/754, G06V 10/755, G06V 10/7553, G06V 10/7557, G06V 10/757, G06V 10/758, G06V 10/759, G06V 10/76, G06V 10/761, G06V 10/762, G06V 10/7625, G06V 10/763, G06V 10/7635, G06V 10/764, G06V 10/765, G06V 10/766, G06V 10/768, G06V 10/77, G06V 10/771, G06V 10/7715, G06V 10/772, G06V 10/774, G06V 10/7747, G06V 10/7753, G06V 10/776, G06V 10/778, G06V 10/7784, G06V 10/7788, G06V 10/7792, G06V 10/7796, G06V 10/80, G06V 10/803, G06V 10/806, G06V 10/809, G06V 10/811, G06V 10/814, G06V 10/817, G06V 10/82, G06V 10/84, G06V 10/85, G06V 10/86, G06V 10/87, G06V 10/88,

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
				G06V 10/89, G06V 10/893, G06V 10/895, G06V 10/898, G06V 10/92, G06V 30/14, G06V 30/141, G06V 30/142, G06V 30/1423, G06V 30/1426, G06V 30/1429, G06V 30/1431, G06V 30/1434, G06V 30/1437, G06V 30/144, G06V 30/1444, G06V 30/1448, G06V 30/1452, G06V 30/1456, G06V 30/146, G06V 30/1463, G06V 30/1465, G06V 30/1468, G06V 30/147, G06V 30/1473, G06V 30/1475, G06V 30/1478, G06V 30/148, G06V 30/15, G06V 30/153, G06V 30/155, G06V 30/158, G06V 30/199, G06V 30/20
Q	G06V 10/12	2	Details of acquisition arrangements; Constructional details thereof	G06V 10/12, G06V 10/14, G06V 30/142
N	G06V 10/14	3	Optical characteristics of the device performing the acquisition or on the illumination arrangements	
Q	G06V 10/141	4	Control of illumination	G06V 10/141, G06V 30/1431
Q	G06V 10/143	4	Sensing or illuminating at different wavelengths	G06V 10/143, G06V 30/1429
Q	G06V 10/145	4	Illumination specially adapted for pattern recognition, e.g. using gratings	G06V 10/145, G06V 30/1434
Q	G06V 10/147	4	Details of sensors, e.g. sensor lenses (fingerprint or palmprint sensors G06V 40/13; vascular sensors G06V 40/145; eye sensors G06V 40/19)	G06V 10/147, G06V 30/1429, G06V 30/1437

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
Q	G06V 10/16	2	{using multiple overlapping images; Image stitching}	G06V 10/16, G06V 30/141
Q	G06V 10/17	2	{using hand-held instruments}	G06V 10/17, G06V 30/142
Q	G06V 10/19	2	{by sensing codes defining pattern positions}	G06V 10/19, G06V 30/1426
Q	G06V 10/20	1	Image preprocessing	G06V 10/00, G06V 10/20, G06V 10/70, G06V 10/72, G06V 10/74, G06V 10/75, G06V 10/751, G06V 10/7515, G06V 10/752, G06V 10/753, G06V 10/754, G06V 10/755, G06V 10/7553, G06V 10/7557, G06V 10/757, G06V 10/758, G06V 10/759, G06V 10/76, G06V 10/761, G06V 10/762, G06V 10/7625, G06V 10/763, G06V 10/7635, G06V 10/764, G06V 10/765, G06V 10/766, G06V 10/768, G06V 10/77, G06V 10/771, G06V 10/7715, G06V 10/772, G06V 10/774, G06V 10/7747, G06V 10/7753, G06V 10/776, G06V 10/778, G06V 10/7784, G06V 10/7788, G06V 10/7792, G06V 10/7796, G06V 10/80, G06V 10/803, G06V 10/806, G06V 10/809, G06V 10/811, G06V 10/814, G06V 10/817, G06V 10/82, G06V 10/84, G06V 10/85, G06V 10/86, G06V 10/87, G06V 10/88, G06V 10/89, G06V

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
				10/893, G06V 10/895, G06V 10/898, G06V 10/92, G06V 30/16, G06V 30/1607, G06V 30/1613, G06V 30/162, G06V 30/164, G06V 30/166, G06V 30/168, G06V 30/199, G06V 30/20
Q	G06V 10/22	2	by selection of a specific region containing or referencing a pattern; Locating or processing of specific regions to guide the detection or recognition	G06V 10/22, G06V 30/1444
Q	G06V 10/225	3	{based on a marking or identifier characterising the area}	G06V 10/225, G06V 30/1448
Q	G06V 10/23	3	{based on positionally close patterns or neighbourhood relationships}	G06V 10/23, G06V 30/1452
Q	G06V 10/235	3	{based on user input or interaction}	G06V 10/235, G06V 30/1456
Q	G06V 10/24	2	Aligning, centring, orientation detection or correction of the image	G06V 10/24, G06V 30/146
Q	G06V 10/242	3	{by image rotation, e.g. by 90 degrees}	G06V 10/242, G06V 30/1463
Q	G06V 10/243	3	{by compensating for image skew or non-uniform image deformations}	G06V 10/243, G06V 30/1475
Q	G06V 10/245	3	{by locating a pattern; Special marks for positioning}	G06V 10/245, G06V 30/1448, G06V 30/1465, G06V 30/1468, G06V 30/1475, G06V 30/1478
Q	G06V 10/247	3	{by affine transforms, e.g. correction due to perspective effects; Quadrilaterals, e.g. trapezoids}	G06V 10/247, G06V 30/1607
Q	G06V 10/248	3	{by interactive preprocessing or interactive shape modelling, e.g. feature points assigned by a user}	G06V 10/248, G06V 30/1613
Q	G06V 10/25	2	Determination of region of interest [ROI] or a volume of interest [VOI]	G06V 10/25, G06V 30/147
Q	G06V 10/255	2	{Detecting or recognising potential candidate objects based on visual cues, e.g. shapes}	G06V 10/255, G06V 30/1473
Q	G06V 10/26	2	Segmentation of patterns in the image field; Cutting or merging of image elements to establish the pattern region, e.g. clustering-based techniques; Detection of occlusion	G06V 10/26, G06V 30/148

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
Q	G06V 10/267	3	{by performing operations on regions, e.g. growing, shrinking or watersheds}	G06V 10/267, G06V 30/15
Q	G06V 10/273	3	{removing elements interfering with the pattern to be recognised}	G06V 10/273, G06V 30/155
Q	G06V 10/28	2	Quantising the image, e.g. histogram thresholding for discrimination between background and foreground patterns	G06V 10/28, G06V 30/162
Q	G06V 10/30	2	Noise filtering	G06V 10/30, G06V 30/164
Q	G06V 10/32	2	Normalisation of the pattern dimensions	G06V 10/32, G06V 30/166
Q	G06V 10/34	2	Smoothing or thinning of the pattern; Morphological operations; Skeletonisation	G06V 10/34, G06V 30/168
Q	G06V 10/36	2	Applying a local operator, i.e. means to operate on image points situated in the vicinity of a given point; Non-linear local filtering operations, e.g. median filtering	G06V 10/36, G06V 30/20
Q	G06V 10/40	1	Extraction of image or video features	G06V 10/40, G06V10/54, G06V 30/18
Q	G06V 10/42	2	Global feature extraction by analysis of the whole pattern, e.g. using frequency domain transformations or autocorrelation	G06V 10/42, G06V 30/186
Q	G06V 10/421	3	{by analysing segments intersecting the pattern}	G06V 10/421, G06V 30/184
Q	G06V 10/422	3	for representing the structure of the pattern or shape of an object therefor	G06V 10/422, G06V 30/18162
Q	G06V 10/424	4	Syntactic representation, e.g. by using alphabets or grammars	G06V 10/424, G06V 30/18171
Q	G06V 10/426	4	Graphical representations	G06V 10/426, G06V 30/18181
Q	G06V 10/431	3	{Frequency domain transformation; Autocorrelation}	G06V 10/431, G06V 30/187
Q	G06V 10/435	3	{Computation of moments}	G06V 10/435, G06V 30/188
Q	G06V 10/44	2	Local feature extraction by analysis of parts of the pattern, e.g. by detecting edges, contours, loops, corners, strokes or intersections; Connectivity analysis, e.g. of connected components	G06V 10/44, G06V 30/1801, G06V 30/182, G06V 30/1823, G06V 30/1826, G06V 30/1829, G06V 30/1831, G06V 30/1834, G06V 30/1837

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
Q	G06V 10/443	3	{by matching or filtering}	G06V 10/443, G06V 30/18019
Q	G06V 10/446	4	{using Haar-like filters, e.g. using integral image techniques}	G06V 10/446, G06V 30/18029
Q	G06V 10/449	4	{Biologically inspired filters, e.g. difference of Gaussians [DoG] or Gabor filters}	G06V 10/449, G06V 30/18038
Q	G06V 10/451	5	{with interaction between the filter responses, e.g. cortical complex cells}	G06V 10/451, G06V 30/18048
Q	G06V 10/454	6	{Integrating the filters into a hierarchical structure, e.g. convolutional neural networks [CNN]}	G06V 10/454, G06V 30/18057
Q	G06V 10/457	3	{by analysing connectivity, e.g. edge linking, connected component analysis or slices}	G06V 10/457, G06V 30/18076
Q	G06V 10/46	2	Descriptors for shape, contour or point-related descriptors, e.g. scale invariant feature transform [SIFT] or bags of words [BoW]; Salient regional features (colour feature extraction G06V 10/56)	G06V 10/46, G06V 30/182
Q	G06V 10/462	3	{Salient features, e.g. scale invariant feature transforms [SIFT]}	G06V 10/462, G06V 30/18143
Q	G06V 10/464	4	{using a plurality of salient features, e.g. bag-of-words [BoW] representations}	G06V 10/464, G06V 30/18152
Q	G06V 10/467	3	{Encoded features or binary features, e.g. local binary patterns [LBP]}	G06V 10/467, G06V 30/18133
Q	G06V 10/469	3	{Contour-based spatial representations, e.g. vector-coding}	G06V 10/469, G06V 30/1823
Q	G06V 10/471	4	{using approximation functions}	G06V 10/471, G06V 30/1829
Q	G06V 10/473	4	{using gradient analysis}	G06V 10/473, G06V 30/1831
Q	G06V 10/476	4	{using statistical shape modelling, e.g. point distribution models}	G06V 10/476, G06V 30/1834
Q	G06V 10/478	3	{Contour-based spectral representations or scale-space representations, e.g. by Fourier analysis, wavelet analysis or curvature scale-space [CSS]}	G06V 10/478, G06V 30/1826, G06V 30/1837
Q	G06V 10/48	2	by mapping characteristic values of the pattern into a parameter space, e.g. Hough transformation	G06V 10/48, G06V 30/18067
Q	G06V 10/50	2	by performing operations within image blocks; by using histograms, e.g. histogram of oriented gradients [HoG]; by summing image-intensity values; Projection analysis	G06V 10/50, G06V 30/18086
Q	G06V 10/507	3	{Summing image-intensity values; Histogram projection analysis}	G06V 10/507, G06V 30/18095

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
Q	G06V 10/513	2	{Sparse representations}	G06V 10/513, G06V 30/1819
Q	G06V 10/52	2	Scale-space analysis, e.g. wavelet analysis (multi-scale boundary representations G06V 10/42)	G06V 10/52, G06V 30/189
N	G06V 10/54	2	relating to texture	
Q	G06V 10/56	2	relating to colour	G06V 10/56, G06V 30/18105
Q	G06V 10/58	2	relating to hyperspectral data	G06V 10/58, G06V 30/18114
Q	G06V 10/60	2	relating to illumination properties, e.g. using a reflectance or lighting model	G06V 10/60, G06V 30/18124
N	G06V 10/62	2	relating to a temporal dimension, e.g. time-based feature extraction; Pattern tracking	
N	G06V 10/70	1	using pattern recognition or machine learning (optical pattern recognition or electronic computations therefor G06V 10/88)	
N	G06V 10/72	2	Data preparation, e.g. statistical preprocessing of image or video features	
N	G06V 10/74	2	Image or video pattern matching; Proximity measures in feature spaces	
Q	G06V 10/75	3	Organisation of the matching processes, e.g. simultaneous or sequential comparisons of image or video features; Coarse-fine approaches, e.g. multi-scale approaches; using context analysis; Selection of dictionaries	G06V 10/75, G06V 30/19007, G06V 30/192, G06V 30/196, G06V 30/198
Q	G06V 10/751	4	{Comparing pixel values or logical combinations thereof, or feature values having positional relevance, e.g. template matching}	G06V 10/751, G06V 30/19013
Q	G06V 10/7515	5	{Shifting the patterns to accommodate for positional errors}	G06V 10/7515, G06V 30/1902
Q	G06V 10/752	4	{Contour matching}	G06V 10/752, G06V 30/19027
Q	G06V 10/753	4	{Transform-based matching, e.g. Hough transform}	G06V 10/753, G06V 30/19033
Q	G06V 10/754	4	{involving a deformation of the sample pattern or of the reference pattern; Elastic matching}	G06V 10/754, G06V 30/1904
Q	G06V 10/755	4	{Deformable models or variational models, e.g. snakes or active contours}	G06V 10/755, G06V 30/19047
Q	G06V 10/7553	5	{based on shape, e.g. active shape models [ASM]}	G06V 10/7553, G06V 30/19053
Q	G06V 10/7557	5	{based on appearance, e.g. active appearance models [AAM]}	G06V 10/7557, G06V 30/1906
Q	G06V 10/757	4	{Matching configurations of points or features}	G06V 10/757, G06V 30/19067

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
Q	G06V 10/758	4	{Involving statistics of pixels or of feature values, e.g. histogram matching}	G06V 10/758, G06V 30/19073
Q	G06V 10/759	4	{Region-based matching}	G06V 10/759, G06V 30/1908
Q	G06V 10/76	4	{based on eigen-space representations, e.g. from pose or different illumination conditions; Shape manifolds}	G06V 10/76, G06V 30/19087
N	G06V 10/761	3	{Proximity, similarity or dissimilarity measures}	
N	G06V 10/762	2	using clustering, e.g. of similar faces in social networks	
N	G06V 10/7625	3	{Hierarchical techniques, i.e. dividing or merging patterns to obtain a tree-like representation; Dendograms}	
N	G06V 10/763	3	{Non-hierarchical techniques, e.g. based on statistics of modelling distributions}	
N	G06V 10/7635	3	{based on graphs, e.g. graph cuts or spectral clustering}	
N	G06V 10/764	2	using classification, e.g. of video objects	
N	G06V 10/765	3	{using rules for classification or partitioning the feature space}	
N	G06V 10/766	2	using regression, e.g. by projecting features on hyperplanes	
Q	G06V 10/768	2	{using context analysis, e.g. recognition aided by known co-occurring patterns}	G06V 10/768, G06V 30/262
N	G06V 10/77	2	Processing image or video features in feature spaces; using data integration or data reduction, e.g. principal component analysis [PCA] or independent component analysis [ICA] or self-organising maps [SOM]; Blind source separation	
N	G06V 10/771	3	Feature selection, e.g. selecting representative features from a multi-dimensional feature space	
N	G06V 10/7715	3	{Feature extraction, e.g. by transforming the feature space, e.g. multi-dimensional scaling [MDS] ; Mappings, e.g. subspace methods}	
N	G06V 10/772	3	Determining representative reference patterns, e.g. averaging or distorting patterns; Generating dictionaries	
N	G06V 10/774	3	Generating sets of training patterns; Bootstrap methods, e.g. bagging or boosting	
N	G06V 10/7747	4	{Organisation of the process, e.g. bagging or boosting}	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
N	G06V 10/7753	4	{Incorporation of unlabelled data, e.g. multiple instance learning [MIL]}	
N	G06V 10/776	3	Validation; Performance evaluation	
N	G06V 10/778	3	Active pattern-learning, e.g. online learning of image or video features	
N	G06V 10/7784	4	{based on feedback from supervisors}	
N	G06V 10/7788	5	{the supervisor being a human, e.g. interactive learning with a human teacher}	
N	G06V 10/7792	5	{the supervisor being an automated module, e.g. "intelligent oracle"}	
N	G06V 10/7796	4	{based on specific statistical tests}	
N	G06V 10/80	3	Fusion, i.e. combining data from various sources at the sensor level, preprocessing level, feature extraction level or classification level (multimodal speaker identification or verification G10L 17/10)	
N	G06V 10/803	4	{of input or preprocessed data}	
N	G06V 10/806	4	{of extracted features}	
N	G06V 10/809	4	{of classification results, e.g. where the classifiers operate on the same input data}	
N	G06V 10/811	5	{the classifiers operating on different input data, e.g. multi-modal recognition}	
N	G06V 10/814	4	{using belief theory, e.g. Dempster-Shafer}	
N	G06V 10/817	4	{by voting}	
N	G06V 10/82	2	using neural networks	
N	G06V 10/84	2	using probabilistic graphical models from image or video features, e.g. Markov models or Bayesian networks	
N	G06V 10/85	3	{Markov-related models; Markov random fields}	
N	G06V 10/86	2	using syntactic or structural representations of the image or video pattern, e.g. symbolic string recognition; using graph matching	
N	G06V 10/87	2	{using selection of the recognition techniques, e.g. of a classifier in a multiple classifier system}	
Q	G06V 10/88	1	Image or video recognition using optical means, e.g. reference filters, holographic masks, frequency domain filters or spatial domain filters	G06V 10/88, G06V 30/199, G06V 30/20
Q	G06V 10/89	2	{using frequency domain filters, e.g. Fourier masks implemented on spatial light modulators}	G06V 10/89, G06V 30/199
Q	G06V 10/893	3	{characterised by the kind of filter}	G06V 10/893, G06V 30/199

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
Q	G06V 10/895	4	{the filter being related to phase processing, e.g. phase-only filters}	G06V 10/895, G06V 30/199
Q	G06V 10/898	4	{combination of filters, e.g. phase-only filters}	G06V 10/898, G06V 30/199
Q	G06V 10/92	2	{using spatial domain filters, e.g. joint transform correlators}	G06V 10/92, G06V 30/199
N	G06V 10/94	1	Hardware or software architectures specially adapted for image or video understanding	
N	G06V 10/945	2	{User interactive design; Environments; Toolboxes}	
N	G06V 10/95	2	{structured as a network, e.g. client-server architectures}	
N	G06V 10/955	2	{using specific electronic processors}	
N	G06V 10/96	1	Management of image or video recognition tasks	
Q	G06V 10/98	1	Detection or correction of errors, e.g. by rescanning the pattern or by human intervention; Evaluation of the quality of the acquired patterns	G06V 10/98, G06V 30/12
Q	G06V 10/987	2	{with the intervention of an operator}	G06V 10/987, G06V 30/127
Q	G06V 10/993	2	{Evaluation of the quality of the acquired pattern}	G06V 10/993, G06V 30/133
Q	G06V 20/00	0	Scenes; Scene-specific elements (control of digital cameras H04N 5/232)	G06V 20/00, G06V 20/05, G06V 20/50, G06V 20/60, G06V 20/66, G06V 20/69, G06V 20/693, G06V 20/695, G06V 20/698, G06V 20/70
N	G06V 20/05	1	Underwater scenes	
N	G06V 20/10	1	Terrestrial scenes (scenes under surveillance with static cameras G06V 20/52; scenes perceived from the exterior of a vehicle G06V 20/56; scenes perceived from the interior of a vehicle G06V 20/59)	
Q	G06V 20/13	2	Satellite images	G06V 20/13, G06V 20/17
N	G06V 20/17	2	taken from planes or by drones	
N	G06V 20/176	2	{Urban or other man-made structures}	
N	G06V 20/182	2	{Network patterns, e.g. roads or rivers}	
N	G06V 20/188	2	{Vegetation}	
N	G06V 20/194	2	{using hyperspectral data, i.e. more or other wavelengths than RGB}	

CPC NOTICE OF CHANGES 1250

DATE: JANUARY 1, 2022

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
N	G06V 20/20	1	in augmented reality scenes	
N	G06V 20/30	1	in albums, collections or shared content, e.g. social network photos or video	
N	G06V 20/35	1	{Categorising the entire scene, e.g. birthday party or wedding scene}	
N	G06V 20/36	2	{Indoor scenes}	
N	G06V 20/38	2	{Outdoor scenes}	
N	G06V 20/39	3	{Urban scenes}	
N	G06V 20/40	1	in video content (extracting overlay text G06V 20/62; video retrieval G06F 16/70; processing of video elementary streams in video servers H04N 21/234; processing of video elementary streams in video clients H04N 21/44)	
N	G06V 20/41	2	{Higher-level, semantic clustering, classification or understanding of video scenes, e.g. detection, labelling or Markovian modelling of sport events or news items (segmenting video sequences G06V 20/49)}	
N	G06V 20/42	3	{of sport video content}	
N	G06V 20/43	3	{of news video content}	
N	G06V 20/44	2	{Event detection}	
N	G06V 20/46	2	{Extracting features or characteristics from the video content, e.g. video fingerprints, representative shots or key frames}	
N	G06V 20/47	3	{Detecting features for summarising video content}	
N	G06V 20/48	2	{Matching video sequences}	
N	G06V 20/49	2	{Segmenting video sequences, i.e. computational techniques such as parsing or cutting the sequence, low-level clustering or determining units such as shots or scenes}	
N	G06V 20/50	1	Context or environment of the image	
N	G06V 20/52	2	Surveillance or monitoring of activities, e.g. for recognising suspicious objects (recognising microscopic objects G06V 20/69)	
N	G06V 20/53	3	{Recognition of crowd images, e.g. recognition of crowd congestion}	
N	G06V 20/54	3	of traffic, e.g. cars on the road, trains or boats	
N	G06V 20/56	2	exterior to a vehicle by using sensors mounted on the vehicle	
N	G06V 20/58	3	Recognition of moving objects or obstacles, e.g. vehicles or pedestrians; Recognition of traffic objects, e.g. traffic signs, traffic lights or roads	
N	G06V 20/582	4	{of traffic signs}	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
N	G06V 20/584	4	{of vehicle lights or traffic lights}	
N	G06V 20/586	4	{of parking space}	
N	G06V 20/588	3	{Recognition of the road, e.g. of lane markings; Recognition of the vehicle driving pattern in relation to the road}	
N	G06V 20/59	2	inside of a vehicle, e.g. relating to seat occupancy, driver state or inner lighting conditions	
N	G06V 20/593	3	{Recognising seat occupancy}	
N	G06V 20/597	3	{Recognising the driver's state or behaviour, e.g. attention or drowsiness}	
N	G06V 20/60	1	Type of objects	
N	G06V 20/62	2	Text, e.g. of license plates, overlay texts or captions on TV images	
N	G06V 20/625	3	{License plates}	
N	G06V 20/63	3	{Scene text, e.g. street names}	
N	G06V 20/635	3	{Overlay text, e.g. embedded captions in a TV program}	
N	G06V 20/64	2	Three-dimensional objects	
N	G06V 20/647	3	{by matching two-dimensional images to three-dimensional objects}	
N	G06V 20/653	3	{by matching three-dimensional models, e.g. conformal mapping of Riemann surfaces}	
N	G06V 20/66	2	Trinkets, e.g. shirt buttons or jewellery items (recognising microscopic objects G06V 20/69)	
N	G06V 20/68	2	Food, e.g. fruit or vegetables	
N	G06V 20/69	2	Microscopic objects, e.g. biological cells or cellular parts	
N	G06V 20/693	3	{Acquisition}	
N	G06V 20/695	3	{Preprocessing, e.g. image segmentation}	
N	G06V 20/698	3	{Matching; Classification}	
N	G06V 20/70	1	Labelling scene content, e.g. deriving syntactic or semantic representations	
N	G06V 20/80	1	Recognising image objects characterised by unique random patterns	
N	G06V 20/90	1	Identifying an image sensor based on its output data	
N	G06V 20/95	1	{Pattern authentication; Markers therefor; Forgery detection}	
N	G06V 30/00	0	Character recognition; Recognising digital ink; Document-oriented image-based pattern recognition (scanning, transmission or reproduction of documents or the like H04N 1/00)	

Q	G06V 30/10	1	Character recognition	G06V 30/10, G06V 30/12, G06V 30/127, G06V 30/133, G06V 30/14, G06V 30/141, G06V 30/142, G06V 30/1423, G06V 30/1426, G06V 30/1429, G06V 30/1431, G06V 30/1434, G06V 30/1437, G06V 30/144, G06V 30/1444, G06V 30/1448, G06V 30/1452, G06V 30/1456, G06V 30/146, G06V 30/1463, G06V 30/1465, G06V 30/1468, G06V 30/147, G06V 30/1473, G06V 30/1475, G06V 30/1478, G06V 30/148, G06V 30/15, G06V 30/153, G06V 30/155, G06V 30/158, G06V 30/16, G06V 30/1607, G06V 30/1613, G06V 30/162, G06V 30/164, G06V 30/166, G06V 30/168, G06V 30/18, G06V 30/1801, G06V 30/18019, G06V 30/18029, G06V 30/18038, G06V 30/18048, G06V 30/18057, G06V 30/18067, G06V 30/18076, G06V 30/18086, G06V 30/18095, G06V 30/18105, G06V 30/18114, G06V 30/18124, G06V 30/18133, G06V 30/18143, G06V 30/18152, G06V 30/18162, G06V 30/18171, G06V 30/18181, G06V 30/1819, G06V

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				30/182, G06V 30/1823, G06V 30/1826, G06V 30/1829, G06V 30/1831, G06V 30/1834, G06V 30/1837, G06V 30/184, G06V 30/186, G06V 30/187, G06V 30/188, G06V 30/189, G06V 30/19, G06V 30/19007, G06V 30/19013, G06V 30/1902, G06V 30/19027, G06V 30/19033, G06V 30/1904, G06V 30/19047, G06V 30/19053, G06V 30/1906, G06V 30/19067, G06V 30/19073, G06V 30/1908, G06V 30/19087, G06V 30/19093, G06V 30/191, G06V 30/19107, G06V 30/19113, G06V 30/1912, G06V 30/19127, G06V 30/19133, G06V 30/1914, G06V 30/19147, G06V 30/19153, G06V 30/1916, G06V 30/19167, G06V 30/19173, G06V 30/1918, G06V 30/19187, G06V 30/19193, G06V 30/192, G06V 30/194, G06V 30/195, G06V 30/196, G06V 30/198, G06V 30/1983, G06V 30/1985, G06V 30/1988, G06V 30/199, G06V 30/20, G06V 30/22, G06V 30/222, G06V 30/224, G06V 30/2247, G06V 30/2253, G06V 30/226, G06V 30/2264, G06V

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
				30/2268, G06V 30/2272, G06V 30/2276, G06V 30/228, G06V 30/24, G06V 30/242, G06V 30/244, G06V 30/2445, G06V 30/245, G06V 30/2455, G06V 30/246, G06V 30/248, G06V 30/2504, G06V 30/2528, G06V 30/2552, G06V 30/26, G06V 30/262, G06V 30/268, G06V 30/274, G06V 30/28, G06V 30/287, G06V 30/293, G06V 30/30, G06V 30/302, G06V 30/304, G06V 30/32, G06V 30/333, G06V 30/347, G06V 30/36, G06V 30/373, G06V 30/387
N	G06V 30/12	2	Detection or correction of errors, e.g. by rescanning the pattern	
N	G06V 30/127	3	{with the intervention of an operator}	
N	G06V 30/133	3	{Evaluation of quality of the acquired characters}	
N	G06V 30/14	2	Image acquisition	
N	G06V 30/141	3	{using multiple overlapping images; Image stitching}	
N	G06V 30/142	3	using hand-held instruments; Constructional details of the instruments	
N	G06V 30/1423	4	{the instrument generating sequences of position coordinates corresponding to handwriting (preprocessing or recognising digital ink G06V 30/32)}	
N	G06V 30/1426	4	{by sensing position defining codes on a support}	
N	G06V 30/1429	3	{Identifying or ignoring parts by sensing at different wavelengths}	
N	G06V 30/1431	3	{Illumination control}	
N	G06V 30/1434	3	{Special illumination such as grating, reflections or deflections, e.g. for characters with relief}	

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
N	G06V 30/1437	3	{Sensor details, e.g. position, configuration or special lenses (G06V 30/1429 takes precedence)}	
N	G06V 30/144	3	using a slot moved over the image; using discrete sensing elements at predetermined points; using automatic curve following means	
N	G06V 30/1444	3	{Selective acquisition, locating or processing of specific regions, e.g. highlighted text, fiducial marks or predetermined fields}	
N	G06V 30/1448	4	{based on markings or identifiers characterising the document or the area}	
N	G06V 30/1452	4	{based on positionally close symbols, e.g. amount sign or URL-specific characters}	
N	G06V 30/1456	4	{based on user interactions}	
N	G06V 30/146	3	Aligning or centring of the image pick-up or image-field	
N	G06V 30/1463	4	{Orientation detection or correction, e.g. rotation of multiples of 90 degrees}	
N	G06V 30/1465	4	{by locating a pattern (G06V 30/1475 takes precedence; centring within a document with a marking G06V 30/1448)}	
N	G06V 30/1468	5	{Special marks for positioning}	
N	G06V 30/147	4	{Determination of region of interest}	
N	G06V 30/1473	4	{Recognising objects as potential recognition candidates based on visual cues, e.g. shapes}	
N	G06V 30/1475	4	{Inclination or skew detection or correction of characters or of image to be recognised}	
N	G06V 30/1478	5	{of characters or characters lines}	
N	G06V 30/148	3	Segmentation of character regions	
N	G06V 30/15	4	{Cutting or merging image elements, e.g. region growing, watershed or clustering-based techniques}	
N	G06V 30/153	4	{using recognition of characters or words}	
N	G06V 30/155	4	{Removing patterns interfering with the pattern to be recognised, such as ruled lines or underlines}	
N	G06V 30/158	4	{using character size, text spacings or pitch estimation}	
N	G06V 30/16	2	Image preprocessing	
N	G06V 30/1607	3	{Correcting image deformation, e.g. trapezoidal deformation caused by perspective}	
N	G06V 30/1613	3	{Interactive preprocessing or shape modelling, e.g. assignment of feature points by a user}	
N	G06V 30/162	3	Quantising the image signal	

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N	G06V 30/164	3	Noise filtering	
N	G06V 30/166	3	Normalisation of pattern dimensions	
N	G06V 30/168	3	Smoothing or thinning of the pattern; Skeletonisation	
N	G06V 30/18	2	Extraction of features or characteristics of the image	
N	G06V 30/1801	3	{Detecting partial patterns, e.g. edges or contours, or configurations, e.g. loops, corners, strokes or intersections (extracting features by contour coding G06V 30/182)}	
N	G06V 30/18019	4	{by matching or filtering}	
N	G06V 30/18029	5	{filtering with Haar-like subimages, e.g. computation thereof with the integral image technique}	
N	G06V 30/18038	5	{Biologically-inspired filters, e.g. difference of Gaussians [DoG], Gabor filters}	
N	G06V 30/18048	6	{with interaction between the responses of different filters, e.g. cortical complex cells}	
N	G06V 30/18057	7	{Integrating the filters into a hierarchical structure, e.g. convolutional neural networks [CNN]}	
N	G06V 30/18067	4	{by mapping characteristic values of the pattern into a parameter space, e.g. Hough transformation}	
N	G06V 30/18076	4	{by analysing connectivity, e.g. edge linking, connected component analysis or slices}	
N	G06V 30/18086	3	{by performing operations within image blocks or by using histograms}	
N	G06V 30/18095	4	{Summing image-intensity values; Projection and histogram analysis}	
N	G06V 30/18105	3	{related to colour}	
N	G06V 30/18114	3	{involving specific hyperspectral computations of features}	
N	G06V 30/18124	3	{related to illumination properties, e.g. according to a reflectance or lighting model}	
N	G06V 30/18133	3	{regional/local feature not essentially salient, e.g. local binary pattern}	
N	G06V 30/18143	3	{Extracting features based on salient regional features, e.g. scale invariant feature transform [SIFT] keypoints}	
N	G06V 30/18152	4	{Extracting features based on a plurality of salient regional features, e.g. "bag of words"}	
N	G06V 30/18162	3	{related to a structural representation of the pattern}	

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N	G06V 30/18171	4	{Syntactic representation, e.g. using a grammatical approach}	
N	G06V 30/18181	4	{Graphical representation, e.g. directed attributed graph}	
N	G06V 30/1819	3	{sparse representations}	
N	G06V 30/182	3	by coding the contour of the pattern	
N	G06V 30/1823	4	{using vector-coding}	
N	G06V 30/1826	4	{analysing the spectrum of the contour, e.g. Fourier expansion}	
N	G06V 30/1829	4	{using an approximation function}	
N	G06V 30/1831	4	{using gradient analysis}	
N	G06V 30/1834	4	{using statistical shape modelling, e.g. point distribution model}	
N	G06V 30/1837	4	{using wavelet analysis}	
N	G06V 30/184	3	by analysing segments intersecting the pattern	
N	G06V 30/186	3	by deriving mathematical or geometrical properties from the whole image	
N	G06V 30/187	4	{Frequency domain transformation; Autocorrelation}	
N	G06V 30/188	4	{Computation of moments}	
N	G06V 30/189	4	{Scale-space domain transformation, e.g. with wavelet analysis}	
N	G06V 30/19	2	Recognition using electronic means	
N	G06V 30/19007	3	{Matching; Proximity measures}	
N	G06V 30/19013	4	{Comparing pixel values or logical combinations thereof, or feature values having positional relevance, e.g. template matching (specially adapted for image segmentation G06T 7/10; specially adapted for the analysis of motion G06T 7/20; specially adapted for image alignment G06T 7/30; specially adapted for the calculation of depth from stereo images G06T 7/50; specially adapted for position determination G06T 7/70)}	
N	G06V 30/1902	5	{Shifting or otherwise transforming the patterns to accommodate for positional errors}	
N	G06V 30/19027	6	{Matching of contours}	
N	G06V 30/19033	7	{by mapping curve parameters onto an accumulator array, e.g. generalised Hough Transform}	
N	G06V 30/1904	6	{involving a deformation of the sample or reference pattern; Elastic matching}	
N	G06V 30/19047	7	{based on a local optimisation criterion, e.g. "snakes", i.e. active contour models of the pattern to be recognised}	

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
N	G06V 30/19053	7	{based on shape statistics, e.g. active shape models of the pattern to be recognised}	
N	G06V 30/1906	8	{based also on statistics of image patches, e.g. active appearance models of the pattern to be recognised}	
N	G06V 30/19067	6	{Matching configurations of points or features, e.g. constellation matching}	
N	G06V 30/19073	4	{Comparing statistics of pixel or of feature values, e.g. histogram matching}	
N	G06V 30/1908	4	{Region based matching}	
N	G06V 30/19087	4	{based on parametric eigenspace representations, e.g. eigenspace representations using pose or illumination parameters; Shape manifold}	
N	G06V 30/19093	4	{Proximity measures, i.e. similarity or distance measures}	
N	G06V 30/191	3	{Design or setup of recognition systems or techniques; Extraction of features in feature space; Clustering techniques; Blind source separation}	
N	G06V 30/19107	4	{Clustering techniques}	
N	G06V 30/19113	4	{Selection of pattern recognition techniques, e.g. of classifiers in a multi-classifier system}	
N	G06V 30/1912	4	{Selecting the most significant subset of features (G06V 30/19127 takes precedence)}	
N	G06V 30/19127	4	{Extracting features by transforming the feature space, e.g. multidimensional scaling; Mappings, e.g. subspace methods}	
N	G06V 30/19133	4	{Interactive pattern learning with a human teacher}	
N	G06V 30/1914	4	{Determining representative reference patterns, e.g. averaging or distorting patterns; Generating dictionaries, e.g. user dictionaries}	
N	G06V 30/19147	4	{Obtaining sets of training patterns; Bootstrap methods, e.g. bagging or boosting}	
N	G06V 30/19153	4	{using rules for classification or partitioning the feature space}	
N	G06V 30/1916	4	{Validation; Performance evaluation}	
N	G06V 30/19167	4	{Active pattern learning}	
N	G06V 30/19173	4	{Classification techniques}	
N	G06V 30/1918	4	{Fusion techniques, i.e. combining data from various sources, e.g. sensor fusion}	
N	G06V 30/19187	4	{Graphical models, e.g. Bayesian networks or Markov models}	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
N	G06V 30/19193	3	{Statistical pre-processing, e.g. techniques for normalisation or restoring missing data}	
N	G06V 30/192	3	using simultaneous comparisons or correlations of the image signals with a plurality of references	
Q	G06V 30/194	4	References adjustable by an adaptive method, e.g. learning	G06V 10/70, G06V 10/766, G06V 30/194
N	G06V 30/195	4	{using a resistor matrix}	
N	G06V 30/196	3	using sequential comparisons of the image signals with a plurality of references	
N	G06V 30/198	4	the selection of the next reference depending on the result of the preceding comparison	
N	G06V 30/1983	4	{Syntactic or structural pattern recognition, e.g. symbolic string recognition}	
N	G06V 30/1985	5	{Syntactic analysis, e.g. using a grammatical approach (syntactic image representation G06V 30/18171)}	
N	G06V 30/1988	5	{Graph matching (graphical image representation G06V 30/18181)}	
N	G06V 30/199	2	Arrangements for recognition using optical reference masks, e.g. holographic masks	
N	G06V 30/20	2	Combination of acquisition, preprocessing or recognition functions	
N	G06V 30/22	2	characterised by the type of writing	
N	G06V 30/222	3	of characters separated by spaces	
N	G06V 30/224	3	of printed characters having additional code marks or containing code marks	
N	G06V 30/2247	4	{Characters composed of bars, e.g. CMC-7}	
N	G06V 30/2253	4	{Recognition of characters printed with magnetic ink (G06V 30/2247 takes precedence)}	
N	G06V 30/226	3	of cursive writing	
N	G06V 30/2264	4	{using word shape}	
N	G06V 30/2268	4	{using stroke segmentation}	
N	G06V 30/2272	5	{with lexical matching}	
N	G06V 30/2276	5	{with probabilistic networks, e.g. hidden Markov models}	
N	G06V 30/228	3	of three-dimensional handwriting, e.g. writing in the air	
N	G06V 30/24	2	characterised by the processing or recognition method (segmentation of character regions G06V 30/148)	

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N	G06V 30/242	3	Division of the character sequences into groups prior to recognition; Selection of dictionaries	
N	G06V 30/244	4	using graphical properties, e.g. alphabet type or font	
N	G06V 30/2445	5	{Alphabet recognition, e.g. Latin, Kanji or Katakana}	
N	G06V 30/245	5	{Font recognition}	
N	G06V 30/2455	5	{Discrimination between machine-print, hand-print and cursive writing}	
N	G06V 30/246	4	using linguistic properties, e.g. specific for English or German language	
N	G06V 30/248	3	{involving plural approaches, e.g. verification by template match; Resolving confusion among similar patterns, e.g. "O" versus "Q" (G06V 30/242 takes precedence)}	
N	G06V 30/2504	4	{Coarse or fine approaches, e.g. resolution of ambiguities or multiscale approaches}	
N	G06V 30/2528	4	{Combination of methods, e.g. classifiers, working on the same input data}	
N	G06V 30/2552	4	{Combination of methods, e.g. classifiers, working on different input data, e.g. sensor fusion}	
N	G06V 30/26	2	Techniques for post-processing, e.g. correcting the recognition result	
N	G06V 30/262	3	using context analysis, e.g. lexical, syntactic or semantic context	
N	G06V 30/268	4	{Lexical context}	
N	G06V 30/274	4	{Syntactic or semantic context, e.g. balancing}	
N	G06V 30/28	2	specially adapted to the type of the alphabet, e.g. Latin alphabet	
N	G06V 30/287	3	{of Kanji, Hiragana or Katakana characters}	
N	G06V 30/293	3	{of characters other than Kanji, Hiragana or Katakana}	
N	G06V 30/30	2	based on the type of data	
N	G06V 30/302	3	Images containing characters for discriminating human versus automated computer access	
N	G06V 30/304	3	Music notations	
N	G06V 30/32	2	Digital ink	
N	G06V 30/333	3	{Preprocessing; Feature extraction}	
N	G06V 30/347	4	{Sampling; Contour coding; Stroke extraction}	
N	G06V 30/36	3	{Matching; Classification}	

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N	G06V 30/373	4	{using a special pattern or subpattern alphabet}	
N	G06V 30/387	4	{using human interaction, e.g. selection of the best displayed recognition candidate}	
Q	G06V 30/40	1	Document-oriented image-based pattern recognition	G06V 30/224, G06V 30/2247, G06V 30/2253, G06V 30/40, G06V 30/41
N	G06V 30/41	2	Analysis of document content (recognition of printed characters based on code marks G06V 30/224)	
N	G06V 30/412	3	Layout analysis of documents structured with printed lines or input boxes, e.g. business forms or tables	
N	G06V 30/413	3	Classification of content, e.g. text, photographs or tables	
N	G06V 30/414	3	Extracting the geometrical structure, e.g. layout tree; Block segmentation, e.g. bounding boxes for graphics or text	
N	G06V 30/416	3	Extracting the logical structure, e.g. chapters, sections or page numbers; Identifying elements of the document, e.g. authors	
N	G06V 30/418	3	Document matching, e.g. of document images	
N	G06V 30/42	2	based on the type of document	
N	G06V 30/422	3	Technical drawings; Geographical maps	
N	G06V 30/424	3	Postal images, e.g. labels or addresses on parcels or postal envelopes	
N	G06V 30/43	2	{Editing text-bitmaps, e.g. alignment, spacing; Semantic analysis of bitmaps of text without OCR}	
N	G06V 40/00	0	Recognition of biometric, human-related or animal-related patterns in image or video data	
N	G06V 40/10	1	Human or animal bodies, e.g. vehicle occupants or pedestrians; Body parts, e.g. hands	
N	G06V 40/103	2	{Static body considered as a whole, e.g. static pedestrian or occupant recognition}	
N	G06V 40/107	2	{Static hand or arm}	
N	G06V 40/11	3	{Hand-related biometrics; Hand pose recognition}	
N	G06V 40/113	3	{Recognition of static hand signs}	
N	G06V 40/117	3	{Biometrics derived from hands}	
N	G06V 40/12	2	Fingerprints or palmprints	
Q	G06V 40/13	3	Sensors therefor	G06V 40/13, G06V 40/145

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
N	G06V 40/1306	4	{non-optical, e.g. ultrasonic or capacitive sensing}	
N	G06V 40/1312	4	{direct reading, e.g. contactless acquisition}	
N	G06V 40/1318	4	{using electro-optical elements or layers, e.g. electroluminescent sensing}	
N	G06V 40/1324	4	{by using geometrical optics, e.g. using prisms (G06V 40/1312 takes precedence)}	
N	G06V 40/1329	4	{Protecting the fingerprint sensor against damage caused by the finger}	
N	G06V 40/1335	3	{Combining adjacent partial images (e.g. slices) to create a composite input or reference pattern; Tracking a sweeping finger movement}	
N	G06V 40/1341	3	{Sensing with light passing through the finger}	
N	G06V 40/1347	3	{Preprocessing; Feature extraction}	
N	G06V 40/1353	4	{Extracting features related to minutiae or pores}	
N	G06V 40/1359	4	{Extracting features related to ridge properties; Determining the fingerprint type, e.g. whorl or loop}	
N	G06V 40/1365	3	{Matching; Classification}	
N	G06V 40/1371	4	{Matching features related to minutiae or pores}	
N	G06V 40/1376	4	{Matching features related to ridge properties or fingerprint texture}	
N	G06V 40/1382	3	{Detecting the live character of the finger, i.e. distinguishing from a fake or cadaver finger}	
N	G06V 40/1388	4	{using image processing}	
N	G06V 40/1394	4	{using acquisition arrangements}	
N	G06V 40/14	2	Vascular patterns	
N	G06V 40/145	3	Sensors therefor	
N	G06V 40/15	2	{Biometric patterns based on physiological signals, e.g. heartbeat, blood flow}	
N	G06V 40/155	2	{use of biometric patterns for forensic purposes}	
N	G06V 40/16	2	Human faces, e.g. facial parts, sketches or expressions	
N	G06V 40/161	3	{Detection; Localisation; Normalisation}	
N	G06V 40/162	4	{using pixel segmentation or colour matching}	
N	G06V 40/164	4	{using holistic features}	
N	G06V 40/165	4	{using facial parts and geometric relationships}	
N	G06V 40/166	4	{using acquisition arrangements}	

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DATE: JANUARY 1, 2022

PROJECT RP0760

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
N	G06V 40/167	4	{using comparisons between temporally consecutive images}	
N	G06V 40/168	3	{Feature extraction; Face representation}	
N	G06V 40/169	4	{Holistic features and representations, i.e. based on the facial image taken as a whole}	
N	G06V 40/171	4	{Local features and components; Facial parts (eye characteristics G06V 40/18); Occluding parts, e.g. glasses; Geometrical relationships}	
N	G06V 40/172	3	{Classification, e.g. identification}	
N	G06V 40/173	4	{face re-identification, e.g. recognising unknown faces across different face tracks}	
N	G06V 40/174	3	{Facial expression recognition}	
N	G06V 40/175	4	{Static expression}	
N	G06V 40/176	4	{Dynamic expression}	
N	G06V 40/178	3	{estimating age from face image; using age information for improving recognition}	
N	G06V 40/179	3	{metadata assisted face recognition}	
N	G06V 40/18	2	Eye characteristics, e.g. of the iris	
N	G06V 40/19	3	Sensors therefor	
N	G06V 40/193	3	{Preprocessing; Feature extraction}	
N	G06V 40/197	3	{Matching; Classification}	
N	G06V 40/20	1	Movements or behaviour, e.g. gesture recognition (recognition of facial expressions G06V 40/16)	
N	G06V 40/23	2	{Recognition of whole body movements, e.g. for sport training}	
N	G06V 40/25	3	{Recognition of walking or running movements, e.g. gait recognition}	
N	G06V 40/28	2	{Recognition of hand or arm movements, e.g. recognition of deaf sign language (static hand signs G06V 40/113)}	
N	G06V 40/30	1	Writer recognition; Reading and verifying signatures	
N	G06V 40/33	2	{based only on signature image, e.g. static signature recognition}	
N	G06V 40/37	2	{based only on signature signals such as velocity or pressure, e.g. dynamic signature recognition}	
N	G06V 40/376	3	{Acquisition}	
N	G06V 40/382	3	{Preprocessing; Feature extraction}	
N	G06V 40/388	4	{Sampling; Contour coding; Stroke extraction}	
N	G06V 40/394	3	{Matching; Classification}	
N	G06V 40/40	1	Spoof detection, e.g. liveness detection	
N	G06V 40/45	2	{Detection of the body part being alive}	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
N	G06V 40/50	1	Maintenance of biometric data or enrolment thereof	
N	G06V 40/53	2	{Measures to keep reference information secret, e.g. cancellable biometrics}	
N	G06V 40/55	2	{Performing matching on a personal external card, e.g. to avoid submitting reference information}	
N	G06V 40/58	2	{Solutions for unknown imposter distribution}	
N	G06V 40/60	1	Static or dynamic means for assisting the user to position a body part for biometric acquisition	
N	G06V 40/63	2	{by static guides}	
N	G06V 40/67	2	{by interactive indications to the user}	
N	G06V 40/70	1	Multimodal biometrics, e.g. combining information from different biometric modalities	
N	G06V 2201/00	0	Indexing scheme relating to image or video recognition or understanding	
N	G06V 2201/01	1	Solutions for problems related to non-uniform document background	
N	G06V 2201/02	1	Recognising information on displays, dials, clocks	
N	G06V 2201/03	1	Recognition of patterns in medical or anatomical images	
N	G06V 2201/031	2	of internal organs	
N	G06V 2201/032	2	of protuberances, polyps nodules, etc.	
N	G06V 2201/033	2	of skeletal patterns	
N	G06V 2201/034	2	of medical instruments	
N	G06V 2201/04	1	Recognition of patterns in DNA microarrays	
N	G06V 2201/05	1	Recognition of patterns representing particular kinds of hidden objects, e.g. weapons, explosives, drugs	
N	G06V 2201/06	1	Recognition of objects for industrial automation	
N	G06V 2201/07	1	Target detection	
N	G06V 2201/08	1	Detecting or categorising vehicles	
N	G06V 2201/09	1	Recognition of logos	
N	G06V 2201/10	1	Recognition assisted with metadata	
N	G06V 2201/11	1	Technique with transformation invariance effect	
N	G06V 2201/12	1	Acquisition of 3D measurements of objects	
N	G06V 2201/121	2	using special illumination	
N	G06V 2201/122	2	Computational image acquisition in electron microscopy	
N	G06V 2201/13	1	Type of disclosure document	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to
N	G06V 2201/131	2	Book	
N	G06V 2201/132	2	Book chapter	
N	G06V 2201/133	2	Survey article	
N	G06V 2201/134	2	Technical report or standard	
N	G06V 2201/135	2	Master, PhD or other thesis	
N	G06V 2201/136	2	Tutorial	

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:
- **No {curly brackets} are used for titles in CPC only <u>subclasses</u>, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} <u>are</u> used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required "anchor" symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups).Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent leveland title are required for all types.
- "Transferred to" column <u>must</u> be completed for all C, D, Fand Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the "Transferred to" column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: "< administrative transfer to XX>", "<administrative transfer to XX and YY simultaneously>", or "<administrative transfer to XX, YY ...and ZZ simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be "additional information".
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations "ADD" or "INV": <administrative transfer to XX ADD> , <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the "D" entries of 2000-series or Y-series groups may not require a destination ("Transferred to") symbol, however it is required to specify "<no transfer>" in the "Transferred to" column for such cases.
- For finalisation projects, the deleted "F" symbols should have <no transfer> in the "Transferred to" column.
- For more details about the types of scheme change, see CPC Guide.

B. New, Modified or Deleted Warning(s)

SUBCLASS G06K - RECOGNITION OF DATA; PRESENTATION OF DATA; RECORD CARRIERS; HANDLING RECORD CARRIERS

Type*	Location	Old Warning	New/Modified Warning
N	G06K 9/00		Group G06K 9/00 is impacted by reclassification into groups G06V10/00 - G06V10/98, G06V20/00 - G06V20/90, G06V30/00 - G06V30/424 and G06V40/00 - G06V40/70. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06K 9/62		Group G06K 9/62 is impacted by reclassification into groups G06V 10/70, G06V 10/766 and G06V 30/19. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06K 9/6201		Group G06K 9/6201 is impacted by reclassification into groups G06V 10/75 and G06V 30/19007. Groups G06K 9/6201, G06V 10/75 and G06V 30/19007 should be considered in order to perform a complete search.
N	G06K 9/6215		Group G06K 9/6215 is impacted by reclassification into groups G06V 10/761 and G06V 30/19093. Groups G06K 9/6215, G06V 10/761 and G06V 30/19093 should be considered in order to perform a complete search.
N	G06K 9/6217		Group G06K 9/6217 is impacted by reclassification into groups G06V 10/70, G06V 10/766 and G06V 30/191. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06K 9/6218		Group G06K 9/6218 is impacted by reclassification into groups G06V 10/762 and G06V 30/19107. Groups G06K 9/6218, G06V 10/762 and G06V 30/19107 should be considered in order to perform a complete search.
N	G06K 9/6219		Group G06K 9/6219 is impacted by reclassification into groups G06V 10/7625 and G06V 30/19107. Groups G06K 9/6219, G06V 10/7625 and G06V 30/19107 should be considered in order to perform a complete search.
N	G06K 9/622		Group G06K 9/622 is impacted by reclassification into groups G06V 10/763 and G06V 30/19107. Groups G06K 9/622, G06V 10/763 and G06V 30/19107 should be considered in order to perform a complete search.
N	G06K 9/6221		Group G06K 9/6221 is impacted by reclassification into groups G06V 10/763 and G06V 30/19107. Groups G06K 9/6221, G06V 10/763 and G06V 30/19107 should be considered in order to perform a complete search.
N	G06K 9/6222		Group G06K 9/6222 is impacted by reclassification into groups G06V 10/763 and G06V 30/19107. Groups G06K 9/6222, G06V 10/763 and G06V 30/19107 should be considered in order to perform a complete search.
N	G06K 9/6223		Group G06K 9/6223 is impacted by reclassification into groups G06V 10/763 and G06V 30/19107. Groups G06K 9/6223, G06V 10/763 and G06V 30/19107 should be considered in order to perform a complete search.

Type*	Location	Old Warning	New/Modified Warning
N	G06K 9/6224		Group G06K 9/6224 is impacted by reclassification into groups G06V 10/7635 and G06V 30/19107. Groups G06K 9/6224, G06V 10/7635 and G06V 30/19107 should be considered in order to perform a complete search.
N	G06K 9/6226		Group G06K 9/6226 is impacted by reclassification into groups G06V 10/763 and G06V 30/19107. Groups G06K 9/6226, G06V 10/763 and G06V 30/19107 should be considered in order to perform a complete search.
N	G06K 9/6227		Group G06K 9/6227 is impacted by reclassification into groups G06V 10/87 and G06V 30/19113. Groups G06K 9/6227, G06V 10/87 and G06V 30/19113 should be considered in order to perform a complete search.
N	G06K 9/6228		Group G06K 9/6228 is impacted by reclassification into groups G06V 10/771 and G06V 30/1912. Groups G06K 9/6228, G06V 10/771 and G06V 30/1912 should be considered in order to perform a complete search.
N	G06K 9/6229		Group G06K 9/6229 is impacted by reclassification into groups G06V 10/771 and G06V 30/1912. Groups G06K 9/6229, G06V 10/771 and G06V 30/1912 should be considered in order to perform a complete search.
N	G06K 9/623		Group G06K 9/623 is impacted by reclassification into groups G06V 10/771 and G06V 30/1912. Groups G06K 9/623, G06V 10/771 and G06V 30/1912 should be considered in order to perform a complete search.
N	G06K 9/6231		Group G06K 9/6231 is impacted by reclassification into groups G06V 10/771 and G06V 30/1912. Groups G06K 9/6231, G06V 10/771 and G06V 30/1912 should be considered in order to perform a complete search.
N	G06K 9/6232		Group G06K 9/6232 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6232, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.
N	G06K 9/6234		Group G06K 9/6234 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6234, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.
N	G06K 9/6235		Group G06K 9/6235 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6235, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.
N	G06K 2009/6236		Group G06K 2009/6236 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 2009/6236, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.
N	G06K 2009/6237		Group G06K 2009/6237 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 2009/6237, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.

Type*	Location	Old Warning	New/Modified Warning
N	G06K 2009/6238		Group G06K 2009/6238 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 2009/6238, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.
N	G06K 9/6239		Group G06K 9/6239 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6239, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.
N	G06K 9/624		Group G06K 9/624 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/624, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.
N	G06K 9/6242		Group G06K 9/6242 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6242, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.
N	G06K 9/6243		Group G06K 9/6243 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6243, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.
N	G06K 9/6244		Group G06K 9/6244 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6244, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.
N	G06K 9/6245		Group G06K 9/6245 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6245, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.
N	G06K 9/6246		Group G06K 9/6246 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6246, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.
N	G06K 9/6247		Group G06K 9/6247 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6247, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.
N	G06K 9/6248		Group G06K 9/6248 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6248, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.
N	G06K 9/6249		Group G06K 9/6249 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6249, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.
N	G06K 9/6251		Group G06K 9/6251 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6251, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.

Type*	Location	Old Warning	New/Modified Warning
N	G06K 9/6252		Group G06K 9/6252 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6252, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.
N	G06K 9/6253		Group G06K 9/6253 is impacted by reclassification into group G06V 10/945. Groups G06K 9/6253 and G06V 10/945 should be considered in order to perform a complete search.
N	G06K 9/6254		Group G06K 9/6254 is impacted by reclassification into groups G06V 10/7788 and G06V 30/19133. Groups G06K 9/6254, G06V 10/7788 and G06V 30/19133 should be considered in order to perform a complete search.
N	G06K 9/6255		Group G06K 9/6255 is impacted by reclassification into groups G06V 10/772 and G06V 30/1914. Groups G06K 9/6255, G06V 10/772 and G06V 30/1914 should be considered in order to perform a complete search.
N	G06K 9/6256		Group G06K 9/6256 is impacted by reclassification into groups G06V 10/774 and G06V 30/19147. Groups G06K 9/6256, G06V 10/774 and G06V 30/19147 should be considered in order to perform a complete search.
N	G06K 9/6257		Group G06K 9/6257 is impacted by reclassification into groups G06V 10/7747 and G06V 30/19147. Groups G06K 9/6257, G06V 10/7747 and G06V 30/19147 should be considered in order to perform a complete search.
N	G06K 9/6259		Group G06K 9/6259 is impacted by reclassification into groups G06V 10/7753 and G06V 30/19147. Groups G06K 9/6259, G06V 10/7753 and G06V 30/19147 should be considered in order to perform a complete search.
N	G06K 9/626		Group G06K 9/626 is impacted by reclassification into groups G06V 10/765 and G06V 30/19153. Groups G06K 9/626, G06V 10/765 and G06V 30/19153 should be considered in order to perform a complete search.
N	G06K 9/6261		Group G06K 9/6261 is impacted by reclassification into groups G06V 10/765 and G06V 30/19153. Groups G06K 9/6261, G06V 10/765 and G06V 30/19153 should be considered in order to perform a complete search.
N	G06K 9/6262		Group G06K 9/6262 is impacted by reclassification into groups G06V 10/776, G06V 10/778, G06V 30/1916, G06V 30/19167 and G06V 30/302. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06K 9/6263		Group G06K 9/6263 is impacted by reclassification into groups G06V 10/7784 and G06V 30/19167. Groups G06K 9/6263, G06V 10/7784 and G06V 30/19167 should be considered in order to perform a complete search.
N	G06K 9/6264		Group G06K 9/6264 is impacted by reclassification into groups G06V 10/7788 and G06V 30/19167. Groups G06K 9/6264, G06V 10/7788 and G06V 30/19167 should be considered in order to perform a complete search.

Type*	Location	Old Warning	New/Modified Warning
N	G06K 9/6265		Group G06K 9/6265 is impacted by reclassification into groups G06V 10/7796 and G06V 30/19167. Groups G06K 9/6265, G06V 10/7796 and G06V 30/19167 should be considered in order to perform a complete search.
N	G06K 9/6267		Group G06K 9/6267 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6267, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/6268		Group G06K 9/6268 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6268, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/6269		Group G06K 9/6269 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6269, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/627		Group G06K 9/627 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/627, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/6271		Group G06K 9/6271 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6271, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/6272		Group G06K 9/6272 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6272, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/6273		Group G06K 9/6273 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6273, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/6274		Group G06K 9/6274 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6274, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/6276		Group G06K 9/6276 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6276, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/6277		Group G06K 9/6277 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6277, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/6278		Group G06K 9/6278 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6278, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.

Type*	Location	Old Warning	New/Modified Warning
N	G06K 9/6279		Group G06K 9/6279 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6279, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/628		Group G06K 9/628 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/628, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/6281		Group G06K 9/6281 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6281, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/6282		Group G06K 9/6282 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6282, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/6284		Group G06K 9/6284 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6284, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/6285		Group G06K 9/6285 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6285, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/6286		Group G06K 9/6286 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6286, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/6287		Group G06K 9/6287 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6287, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.
N	G06K 9/6288		Group G06K 9/6288 is impacted by reclassification into groups G06V 10/80 and G06V 30/1918. Groups G06K 9/6288, G06V 10/80 and G06V 30/1918 should be considered in order to perform a complete search.
N	G06K 9/6289		Group G06K 9/6289 is impacted by reclassification into groups G06V 10/803 and G06V 30/1918. Groups G06K 9/6289, G06V 10/803 and G06V 30/1918 should be considered in order to perform a complete search.
N	G06K 9/629		Group G06K 9/629 is impacted by reclassification into groups G06V 10/806 and G06V 30/1918. Groups G06K 9/629, G06V 10/806 and G06V 30/1918 should be considered in order to perform a complete search.
N	G06K 9/6292		Group G06K 9/6292 is impacted by reclassification into groups G06V 10/809 and G06V 30/1918. Groups G06K 9/6292, G06V 10/809 and G06V 30/1918 should be considered in order to perform a complete search.

Type*	Location	Old Warning	New/Modified Warning
N	G06K 9/6293		Group G06K 9/6293 is impacted by reclassification into groups G06V 10/811 and G06V 30/1918. Groups G06K 9/6293, G06V 10/811 and G06V 30/1918 should be considered in order to perform a complete search.
N	G06K 2009/6294		Group G06K 2009/6294 is impacted by reclassification into groups G06V 10/814 and G06V 30/1918. Groups G06K 2009/6294, G06V 10/814 and G06V 30/1918 should be considered in order to perform a complete search.
N	G06K 2009/6295		Group G06K 2009/6295 is impacted by reclassification into groups G06V 10/817 and G06V 30/1918. Groups G06K 2009/6295, G06V 10/817 and G06V 30/1918 should be considered in order to perform a complete search.
N	G06K 9/6296		Group G06K 9/6296 is impacted by reclassification into groups G06V 10/84 and G06V 30/19187. Groups G06K 9/6296, G06V 10/84 and G06V 30/19187 should be considered in order to perform a complete search.
N	G06K 9/6297		Group G06K 9/6297 is impacted by reclassification into groups G06V 10/85 and G06V 30/19187. Groups G06K 9/6297, G06V 10/85 and G06V 30/19187 should be considered in order to perform a complete search.
N	G06K 9/6298		Group G06K 9/6298 is impacted by reclassification into groups G06V 10/72 and G06V 30/19193. Groups G06K 9/6298, G06V 10/72 and G06V 30/19193 should be considered in order to perform a complete search.

SUBCLASS G06V - IMAGE OR VIDEO RECOGNITION OR UNDERSTANDING

Type*	Location	Old Warning	New/Modified Warning
N	G06V 10/00		Groups G06V 10/00, G06V 10/74, G06V 10/77, G06V 10/7792, G06V 10/82 and G06V 10/86 are incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/10		Group G06V 10/10 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/10 is also impacted by reclassification into groups G06V 10/00, G06V 10/70 - G06V 10/87, G06V 10/88 - G06V 10/92, G06V 30/14 - G06V 30/158, G06V 30/199 and G06V 30/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/12		Group G06V 10/12 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/12 is also impacted by reclassification into groups G06V 10/14 and G06V 30/142. All groups listed in this Warning should be considered in order to perform a complete search.

Type*	Location	Old Warning	New/Modified Warning
N	G06V 10/14		Group G06V 10/14 is incomplete pending reclassification of documents from groups G06K 9/00 and G06V 10/12. Groups G06K 9/00, G06V 10/12 and G06V 10/14 should be considered in order to perform a complete search.
N	G06V 10/141		Group G06V 10/141 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/141 is also impacted by reclassification into group G06V 30/1431. Groups G06K 9/00, G06V 10/141 and G06V 30/1431 should be considered in order to perform a complete search.
N	G06V 10/143		Group G06V 10/143 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/143 is also impacted by reclassification into group G06V 30/1429. Groups G06K 9/00, G06V 10/143 and G06V 30/1429 should be considered in order to perform a complete search.
N	G06V 10/145		Group G06V 10/145 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/145 is also impacted by reclassification into group G06V 30/1434. Groups G06K 9/00, G06V 10/145 and G06V 30/1434 should be considered in order to perform a complete search.
N	G06V 10/147		Group G06V 10/147 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/147 is also impacted by reclassification into groups G06V 30/1429 and G06V 30/1437. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/16		Group G06V 10/16 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/16 is also impacted by reclassification into group G06V 30/141. Groups G06K 9/00, G06V 10/16 and G06V 30/141 should be considered in order to perform a complete search.
N	G06V 10/17		Group G06V 10/17 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/17 is also impacted by reclassification into group G06V 30/142. Groups G06K 9/00, G06V 10/17 and G06V 30/142 should be considered in order to perform a complete search.
N	G06V 10/19		Group G06V 10/19 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/19 is also impacted by reclassification into group G06V 30/1426. Groups G06K 9/00, G06V 10/19 and G06V 30/1426 should be considered in order to perform a complete search.
N	G06V 10/20		Group G06V 10/20 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/20 is also impacted by reclassification into groups G06V 10/00, G06V 10/70 - G06V 10/87, G06V 10/88 - G06V 10/92, G06V 30/16 - G06V 30/168, G06V 30/199 and G06V 30/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/22		Group G06V 10/22 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/22 is also impacted by reclassification into group G06V 30/1444. Groups G06K 9/00, G06V 10/22 and G06V 30/1444 should be considered in order to perform a complete search.

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Type*	Location	Old Warning	New/Modified Warning
N	G06V 10/225		Group G06V 10/225 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/225 is also impacted by reclassification into group G06V 30/1448. Groups G06K 9/00, G06V 10/225 and G06V 30/1448 should be considered in order to perform a complete search.
N	G06V 10/23		Group G06V 10/23 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/23 is also impacted by reclassification into group G06V 30/1452. Groups G06K 9/00, G06V 10/23 and G06V 30/1452 should be considered in order to perform a complete search.
N	G06V 10/235		Group G06V 10/235 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/235 is also impacted by reclassification into group G06V 30/1456. Groups G06K 9/00, G06V 10/235 and G06V 30/1456 should be considered in order to perform a complete search.
N	G06V 10/24		Group G06V 10/24 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/24 is also impacted by reclassification into group G06V 30/146. Groups G06K 9/00, G06V 10/24 and G06V 30/146 should be considered in order to perform a complete search.
N	G06V 10/242		Group G06V 10/242 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/242 is also impacted by reclassification into group G06V 30/1463. Groups G06K 9/00, G06V 10/242 and G06V 30/1463 should be considered in order to perform a complete search.
N	G06V 10/243		Group G06V 10/243 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/243 is also impacted by reclassification into group G06V 30/1475. Groups G06K 9/00, G06V 10/243 and G06V 30/1475 should be considered in order to perform a complete search.
N	G06V 10/245		Group G06V 10/245 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/245 is also impacted by reclassification into groups G06V 30/1448, G06V 30/1465, G06V 30/1468, G06V 30/1475 and G06V 30/1478. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/247		Group G06V 10/247 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/247 is also impacted by reclassification into group G06V 30/1607. Groups G06K 9/00, G06V 10/247 and G06V 30/1607 should be considered in order to perform a complete search.
N	G06V 10/248		Group G06V 10/248 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/248 is also impacted by reclassification into group G06V 30/1613. Groups G06K 9/00, G06V 10/248 and G06V 30/1613 should be considered in order to perform a complete search.

Type*	Location	Old Warning	New/Modified Warning
N	G06V 10/25		Group G06V 10/25 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/25 is also impacted by reclassification into group G06V 30/147. Groups G06K 9/00, G06V 10/25 and G06V 30/147 should be considered in order to perform a complete search.
N	G06V 10/255		Group G06V 10/255 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/255 is also impacted by reclassification into group G06V 30/1473. Groups G06K 9/00, G06V 10/255 and G06V 30/1473 should be considered in order to perform a complete search.
N	G06V 10/26		Group G06V 10/26 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/26 is also impacted by reclassification into group G06V 30/148. Groups G06K 9/00, G06V 10/26 and G06V 30/148 should be considered in order to perform a complete search.
N	G06V 10/267		Group G06V 10/267 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/267 is also impacted by reclassification into group G06V 30/15. Groups G06K 9/00, G06V 10/267 and G06V 30/15 should be considered in order to perform a complete search.
N	G06V 10/273		Group G06V 10/273 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/273 is also impacted by reclassification into group G06V 30/155. Groups G06K 9/00, G06V 10/273 and G06V 30/155 should be considered in order to perform a complete search.
N	G06V 10/28		Group G06V 10/28 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/28 is also impacted by reclassification into group G06V 30/162. Groups G06K 9/00, G06V 10/28 and G06V 30/162 should be considered in order to perform a complete search.
N	G06V 10/30		Group G06V 10/30 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/30 is also impacted by reclassification into group G06V 30/164. Groups G06K 9/00, G06V 10/30 and G06V 30/164 should be considered in order to perform a complete search.
N	G06V 10/32		Group G06V 10/32 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/32 is also impacted by reclassification into group G06V 30/166. Groups G06K 9/00, G06V 10/32 and G06V 30/166 should be considered in order to perform a complete search.
N	G06V 10/34		Group G06V 10/34 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/34 is also impacted by reclassification into group G06V 30/168. Groups G06K 9/00, G06V 10/34 and G06V 30/168 should be considered in order to perform a complete search.
N	G06V 10/36		Group G06V 10/36 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/36 is also impacted by reclassification into group G06V 30/20. Groups G06K 9/00, G06V 10/36 and G06V 30/20 should be considered in order to perform a complete search.

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Type*	Location	Old Warning	New/Modified Warning
N	G06V 10/40		Group G06V 10/40 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/40 is also impacted by reclassification into groups G06V 10/54 and G06V 30/18. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/42		Group G06V 10/42 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/42 is also impacted by reclassification into group G06V 30/186. Groups G06K 9/00, G06V 10/42 and G06V 30/186 should be considered in order to perform a complete search.
N	G06V 10/421		Group G06V 10/421 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/421 is also impacted by reclassification into group G06V 30/184. Groups G06K 9/00, G06V 10/421 and G06V 30/184 should be considered in order to perform a complete search.
N	G06V 10/422		Group G06V 10/422 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/422 is also impacted by reclassification into group G06V 30/18162. Groups G06K 9/00, G06V 10/422 and G06V 30/18162 should be considered in order to perform a complete search.
N	G06V 10/424		Group G06V 10/424 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/424 is also impacted by reclassification into group G06V 30/18171. Groups G06K 9/00, G06V 10/424 and G06V 30/18171 should be considered in order to perform a complete search.
N	G06V 10/426		Group G06V 10/426 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/426 is also impacted by reclassification into group G06V 30/18181. Groups G06K 9/00, G06V 10/426 and G06V 30/18181 should be considered in order to perform a complete search.
N	G06V 10/431		Group G06V 10/431 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/431 is also impacted by reclassification into group G06V 30/187. Groups G06K 9/00, G06V 10/431 and G06V 30/187 should be considered in order to perform a complete search.
N	G06V 10/435		Group G06V 10/435 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/435 is also impacted by reclassification into group G06V 30/188. Groups G06K 9/00, G06V 10/435 and G06V 30/188 should be considered in order to perform a complete search.
N	G06V 10/44		Group G06V 10/44 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/44 is also impacted by reclassification into groups G06V 30/1801, G06V 30/182, G06V 30/1823, G06V 30/1826, G06V 30/1829, G06V 30/1831, G06V 30/1834 and G06V 30/1837. All groups listed in this Warning should be considered in order to perform a complete search.

Type*	Location	Old Warning	New/Modified Warning
N	G06V 10/443		Group G06V 10/443 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/443 is also impacted by reclassification into group G06V 30/18019. Groups G06K 9/00, G06V 10/443 and G06V 30/18019 should be considered in order to perform a complete search.
N	G06V 10/446		Group G06V 10/446 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/446 is also impacted by reclassification into group G06V 30/18029. Groups G06K 9/00, G06V 10/446 and G06V 30/18029 should be considered in order to perform a complete search.
N	G06V 10/449		Group G06V 10/449 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/449 is also impacted by reclassification into group G06V 30/18038. Groups G06K 9/00, G06V 10/449 and G06V 30/18038 should be considered in order to perform a complete search.
N	G06V 10/451		Group G06V 10/451 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/451 is also impacted by reclassification into group G06V 30/18048. Groups G06K 9/00, G06V 10/451 and G06V 30/18048 should be considered in order to perform a complete search.
N	G06V 10/454		Group G06V 10/454 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/454 is also impacted by reclassification into group G06V 30/18057. Groups G06K 9/00, G06V 10/454 and G06V 30/18057 should be considered in order to perform a complete search.
N	G06V 10/457		Group G06V 10/457 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/457 is also impacted by reclassification into group G06V 30/18076. Groups G06K 9/00, G06V 10/457 and G06V 30/18076 should be considered in order to perform a complete search.
N	G06V 10/46		Group G06V 10/46 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/46 is also impacted by reclassification into group G06V 30/182. Groups G06K 9/00, G06V 10/46 and G06V 30/182 should be considered in order to perform a complete search.
N	G06V 10/462		Group G06V 10/462 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/462 is also impacted by reclassification into group G06V 30/18143. Groups G06K 9/00, G06V 10/462 and G06V 30/18143 should be considered in order to perform a complete search.
N	G06V 10/464		Group G06V 10/464 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/464 is also impacted by reclassification into group G06V 30/18152. Groups G06K 9/00, G06V 10/464 and G06V 30/18152 should be considered in order to perform a complete search.
N	G06V 10/467		Group G06V 10/467 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/467 is also impacted by reclassification into group G06V 30/18133. Groups G06K 9/00, G06V 10/467 and G06V 30/18133 should be considered in order to perform a complete search.

Type*	Location	Old Warning	New/Modified Warning
N	G06V 10/469		Group G06V 10/469 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/469 is also impacted by reclassification into group G06V 30/1823. Groups G06K 9/00, G06V 10/469 and G06V 30/1823 should be considered in order to perform a complete search.
N	G06V 10/471		Group G06V 10/471 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/471 is also impacted by reclassification into group G06V 30/1829. Groups G06K 9/00, G06V 10/471 and G06V 30/1829 should be considered in order to perform a complete search.
N	G06V 10/473		Group G06V 10/473 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/473 is also impacted by reclassification into group G06V 30/1831. Groups G06K 9/00, G06V 10/473 and G06V 30/1831 should be considered in order to perform a complete search.
N	G06V 10/476		Group G06V 10/476 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/476 is also impacted by reclassification into group G06V 30/1834. Groups G06K 9/00, G06V 10/476 and G06V 30/1834 should be considered in order to perform a complete search.
N	G06V 10/478		Group G06V 10/478 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/478 is also impacted by reclassification into groups G06V 30/1826 and G06V 30/1837. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/48		Group G06V 10/48 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/48 is also impacted by reclassification into group G06V 30/18067. Groups G06K 9/00, G06V 10/48 and G06V 30/18067 should be considered in order to perform a complete search.
N	G06V 10/50		Group G06V 10/50 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/50 is also impacted by reclassification into group G06V 30/18086. Groups G06K 9/00, G06V 10/50 and G06V 30/18086 should be considered in order to perform a complete search.
N	G06V 10/507		Group G06V 10/507 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/507 is also impacted by reclassification into group G06V 30/18095. Groups G06K 9/00, G06V 10/507 and G06V 30/18095 should be considered in order to perform a complete search.
N	G06V 10/513		Group G06V 10/513 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/513 is also impacted by reclassification into group G06V 30/1819. Groups G06K 9/00, G06V 10/513 and G06V 30/1819 should be considered in order to perform a complete search.
N	G06V 10/52		Group G06V 10/52 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/52 is also impacted by reclassification into group G06V 30/189. Groups G06K 9/00, G06V 10/52 and G06V 30/189 should be considered in order to perform a complete search.

Type*	Location	Old Warning	New/Modified Warning
N	G06V 10/54		Group G06V 10/54 is incomplete pending reclassification of documents from group G06V 10/40. Groups G06V 10/40 and G06V 10/54 should be considered in order to perform a complete search.
N	G06V 10/56		Group G06V 10/56 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/56 is also impacted by reclassification into group G06V 30/18105. Groups G06K 9/00, G06V 10/56 and G06V 30/18105 should be considered in order to perform a complete search.
N	G06V 10/58		Group G06V 10/58 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/58 is also impacted by reclassification into group G06V 30/18114. Groups G06K 9/00, G06V 10/58 and G06V 30/18114 should be considered in order to perform a complete search.
N	G06V 10/60		Group G06V 10/60 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/60 is also impacted by reclassification into group G06V 30/18124. Groups G06K 9/00, G06V 10/60 and G06V 30/18124 should be considered in order to perform a complete search.
N	G06V 10/62		Group G06V 10/62 is incomplete pending reclassification of documents from group G06K 9/00. Groups G06K 9/00 and G06V 10/62 should be considered in order to perform a complete search.
N	G06V 10/70		Groups G06V 10/70 and G06V 10/766 are incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/62, G06K 9/6217, G06V 10/10, G06V 10/20 and G06V 30/194. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/72		Group G06V 10/72 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6298, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/75		Group G06V 10/75 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6201, G06V 10/10 and G06V 10/20. Group G06V 10/75 is also impacted by reclassification into groups G06V 30/19007, G06V 30/192, G06V 30/196 and G06V 30/198. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/751		Group G06V 10/751 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/751 is also impacted by reclassification into group G06V 30/19013. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/7515		Group G06V 10/7515 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/7515 is also impacted by reclassification into group G06V 30/1902. All groups listed in this Warning should be considered in order to perform a complete search.

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N	G06V 10/752		Group G06V 10/752 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/752 is also impacted by reclassification into group G06V 30/19027. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/753		Group G06V 10/753 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/753 is also impacted by reclassification into group G06V 30/19033. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/754		Group G06V 10/754 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/754 is also impacted by reclassification into group G06V 30/1904. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/755		Group G06V 10/755 is incomplete pending reclassification of documents from groups G06K 9/00 G06V 10/10 and G06V 10/20. Group G06V 10/755 is also impacted by reclassification into group G06V 30/19047. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/7553		Group G06V 10/7553 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/7553 is also impacted by reclassification into group G06V 30/19053. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/7557		Group G06V 10/7557 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/7557 is also impacted by reclassification into group G06V 30/1906. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/757		Group G06V 10/757 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/757 is also impacted by reclassification into group G06V 30/19067. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/758		Group G06V 10/758 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/758 is also impacted by reclassification into group G06V 30/19073. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/759		Group G06V 10/759 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/759 is also impacted by reclassification into group G06V 30/1908. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/76		Group G06V 10/76 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/76 is also impacted by reclassification into group G06V 30/19087. All groups listed in this Warning should be considered in order to perform a complete search.

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Type*	Location	Old Warning	New/Modified Warning
N	G06V 10/761		Group G06V 10/761 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6215 G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/762		Group G06V 10/762 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6218 G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/7625		Group G06V 10/7625 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6219, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/763		Group G06V 10/763 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/622, G06K 9/6221, G06K 9/6222, G06K 9/6223, G06K 9/6226, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/7635		Group G06V 10/7635 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6224, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/764		Group G06V 10/764 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6267, G06K 9/6268, G06K 9/6269, G06K 9/627, G06K 9/6271, G06K 9/6272, G06K 9/6273, G06K 9/6274, G06K 9/6276, G06K 9/6277, G06K 9/6278, G06K 9/6279, G06K 9/628, G06K 9/6281, G06K 9/6282, G06K 9/6284, G06K 9/6285, G06K 9/6286, G06K 9/6287, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/765		Group G06V 10/765 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/626, G06K 9/6261, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/768		Group G06V 10/768 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/768 is also impacted by reclassification into group G06V 30/262. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/771		Group G06V 10/771 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6228, G06K 9/6229, G06K 9/623, G06K 9/6231, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.

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Type*	Location	Old Warning	New/Modified Warning
N	G06V 10/7715		Group G06V 10/7715 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6232, G06K 9/6234, G06K 9/6235, G06K 2009/6236, G06K 2009/6237, G06K 2009/6238, G06K 9/6239, G06K 9/624, G06K 9/6242, G06K 9/6243, G06K 9/6244, G06K 9/6245, G06K 9/6246, G06K 9/6247, G06K 9/6248, G06K 9/6249, G06K 9/6251, G06K 9/6252, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/772		Group G06V 10/772 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6255, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/774		Group G06V 10/774 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6256, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/7747		Group G06V 10/7747 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6257, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/7753		Group G06V 10/7753 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6259, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/776		Group G06V 10/776 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6262, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/778		Group G06V 10/778 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6262, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/7784		Group G06V 10/7784 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6263, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/7788		Group G06V 10/7788 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6254, G06K 9/6264, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/7796		Group G06V 10/7796 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6265, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/80		Group G06V 10/80 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6288, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.

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N	G06V 10/803		Group G06V 10/803 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6289, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/806		Group G06V 10/806 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/629, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/809		Group G06V 10/809 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6292, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/811		Group G06V 10/811 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6293, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/814		Group G06V 10/814 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 2009/6294, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/817		Group G06V 10/817 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 2009/6295, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/84		Group G06V 10/84 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6296, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/85		Group G06V 10/85 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6297, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/87		Group G06V 10/87 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6227, G06V 10/10 and G06V 10/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/88		Group G06V 10/88 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/88 is also impacted by reclassification into groups G06V 30/199 and G06V 30/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/89		Group G06V 10/89 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/89 is also impacted by reclassification into group G06V 30/199. All groups listed in this Warning should be considered in order to perform a complete search.

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N	G06V 10/893		Group G06V 10/893 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/893 is also impacted by reclassification into group G06V 30/199. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/895		Group G06V 10/895 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/895 is also impacted by reclassification into group G06V 30/199. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/898		Group G06V 10/898 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/898 is also impacted by reclassification into group G06V 30/199. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/92		Group G06V 10/92 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 10/20. Group G06V 10/92 is also impacted by reclassification into group G06V 30/199. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/94		Groups G06V 10/94, G06V 10/95 and G06V 10/955 are incomplete pending reclassification of documents from group G06K 9/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 10/945		Group G06V 10/945 is incomplete pending reclassification of documents from groups G06K 9/00 and G06K 9/6253. Groups G06K 9/00, G06K 9/6253 and G06V 10/945 should be considered in order to perform a complete search.
N	G06V 10/96		Group G06V 10/96 is incomplete pending reclassification of documents from group G06K 9/00. Groups G06K 9/00 and G06V 10/96 should be considered in order to perform a complete search.
N	G06V 10/98		Group G06V 10/98 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 10/98 is also impacted by reclassification into group G06V 30/12. Groups G06K 9/00, G06V 10/98 and G06V 30/12 should be considered in order to perform a complete search.
N	G06V 10/987		Group G06V 10/987 is impacted by reclassification into group G06V 30/127. Groups G06V 10/987 and G06V 30/127 should be considered in order to perform a complete search.
N	G06V 10/993		Group G06V 10/993 is impacted by reclassification into group G06V 30/133. Groups G06V 10/993 and G06V 30/133 should be considered in order to perform a complete search.
N	G06V 20/00		Group G06V 20/00 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 20/00 is also impacted by reclassification into groups G06V 20/05, G06V 20/50, G06V 20/60, G06V 20/66, G06V 20/69, G06V 20/693, G06V 20/695, G06V 20/698 and G06V 20/70. All groups listed in this Warning should be considered in order to perform a complete search.

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N	G06V 20/05		Group G06V 20/05 is incomplete pending reclassification of documents from groups G06K 9/00 and G06V 20/00. Groups G06K 9/00, G06V 20/00 and G06V 20/05 should be considered in order to perform a complete search.
N	G06V 20/10		Groups G06V 20/10, G06V 20/176, G06V 20/182, G06V 20/188 and G06V 20/194 are incomplete pending reclassification of documents from group G06K 9/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 20/13		Group G06V 20/13 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 20/13 is also impacted by reclassification into group G06V 20/17. Groups G06K 9/00, G06V 20/13 and G06V 20/17 should be considered in order to perform a complete search.
N	G06V 20/17		Group G06V 20/17 is incomplete pending reclassification of documents from groups G06K 9/00 and G06V 20/13. Groups G06K 9/00, G06V 20/13 and G06V 20/17 should be considered in order to perform a complete search.
N	G06V 20/20		Group G06V 20/20 is incomplete pending reclassification of documents from group G06K 9/00. Groups G06K 9/00 and G06V 20/20 should be considered in order to perform a complete search.
N	G06V 20/30		Group G06V 20/30 is incomplete pending reclassification of documents from group G06K 9/00. Groups G06K 9/00 and G06V 20/30 should be considered in order to perform a complete search.
N	G06V 20/35		Groups G06V 20/35, G06V 20/36, G06V 20/38 and G06V 20/39 are incomplete pending reclassification of documents from group G06K 9/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 20/40		Groups G06V 20/40, G06V 20/41, G06V 20/42, G06V 20/43, G06V 20/44, G06V 20/46, G06V 20/47, G06V 20/48 and G06V 20/49 are incomplete pending reclassification of documents from group G06K 9/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 20/50		Group G06V 20/50 is incomplete pending reclassification of documents from groups G06K 9/00 and G06V 20/00. Groups G06K 9/00, G06V 20/00 and G06V 20/50 should be considered in order to perform a complete search.
N	G06V 20/52		Groups G06V 20/52, G06V 20/53 and G06V 20/54 are incomplete pending reclassification of documents from group G06K 9/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 20/56		Groups G06V 20/56, G06V 20/58, G06V 20/582, G06V 20/584, G06V 20/586 and G06V 20/588 are incomplete pending reclassification of documents from group G06K 9/00. All groups listed in this Warning should be considered in order to perform a complete search.

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N	G06V 20/59		Groups G06V 20/59, G06V 20/593 and G06V 20/597 are incomplete pending reclassification of documents from group G06K 9/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 20/60		Groups G06V 20/60, G06V 20/66, G06V 20/69, G06V 20/693, G06V 20/695 and G06V 20/698 are incomplete pending reclassification of documents from groups G06K 9/00 and G06V 20/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 20/62		Groups G06V 20/62, G06V 20/625, G06V 20/63 and G06V 20/635 are incomplete pending reclassification of documents from group G06K 9/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 20/64		Groups G06V 20/64, G06V 20/647 and G06V 20/653 are incomplete pending reclassification of documents from group G06K 9/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 20/68		Group G06V 20/68 is incomplete pending reclassification of documents from group G06K 9/00. Groups G06K 9/00 and G06V 20/68 should be considered in order to perform a complete search.
N	G06V 20/70		Group G06V 20/70 is incomplete pending reclassification of documents from groups G06K 9/00 and G06V 20/00. Groups G06K 9/00, G06V 20/00 and G06V 20/70 should be considered in order to perform a complete search.
N	G06V 20/80		Group G06V 20/80 is incomplete pending reclassification of documents from group G06K 9/00. Groups G06K 9/00 and G06V 20/80 should be considered in order to perform a complete search.
N	G06V 20/90		Group G06V 20/90 is incomplete pending reclassification of documents from group G06K 9/00. Groups G06K 9/00 and G06V 20/90 should be considered in order to perform a complete search.
N	G06V 30/00		Groups G06V 30/00, G06V 30/412, G06V 30/413, G06V 30/414, G06V 30/416, G06V 30/418, G06V 30/42, G06V 30/422 and G06V 30/424 are incomplete pending reclassification of documents from group G06K 9/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/10		Group G06V 30/10 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 30/10 is also impacted by reclassification into groups G06V 30/12, G06V 30/127, G06V 30/133, G06V 30/14, G06V 30/141, G06V 30/142, G06V 30/1423, G06V 30/1426, G06V 30/1429, G06V 30/1431, G06V 30/1434, G06V 30/1437, G06V 30/144, G06V 30/1444, G06V 30/1448, G06V 30/1452, G06V 30/1456, G06V 30/146, G06V 30/1463, G06V 30/1465, G06V 30/1468, G06V 30/147, G06V 30/1473, G06V 30/1475, G06V 30/1478, G06V 30/148, G06V 30/15, G06V 30/153, G06V 30/155, G06V 30/158, G06V 30/16, G06V 30/1607, G06V 30/1613, G06V 30/162, G06V 30/164, G06V 30/166, G06V 30/168, G06V 30/18, G06V 30/1801, G06V 30/18019, G06V 30/18029, G06V 30/18038, G06V 30/18048, G06V 30/18057,

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			G06V 30/18067, G06V 30/18076, G06V 30/18086, G06V 30/18095, G06V 30/18105, G06V 30/18114, G06V 30/18124, G06V 30/18133, G06V 30/18143, G06V 30/18152, G06V 30/18162, G06V 30/18171, G06V 30/18181, G06V 30/1819, G06V 30/182, G06V 30/1823, G06V 30/1826, G06V 30/1829, G06V 30/1831, G06V 30/1834, G06V 30/1837, G06V 30/184, G06V 30/186, G06V 30/187, G06V 30/188, G06V 30/189, G06V 30/19, G06V 30/19007, G06V 30/19013, G06V 30/1902, G06V 30/19027, G06V 30/19033, G06V 30/1904, G06V 30/19047, G06V 30/19053, G06V 30/1906, G06V 30/19067, G06V 30/19073, G06V 30/1908, G06V 30/19087, G06V 30/19093, G06V 30/191, G06V 30/19107, G06V 30/19113, G06V 30/1912, G06V 30/19127, G06V 30/19133, G06V 30/1914, G06V 30/19147, G06V 30/19153, G06V 30/1916, G06V 30/19167, G06V 30/19173, G06V 30/1918, G06V 30/19187, G06V 30/19193, G06V 30/192, G06V 30/194, G06V 30/195, G06V 30/196, G06V 30/198, G06V 30/1983, G06V 30/1985, G06V 30/1988, G06V 30/199, G06V 30/20, G06V 30/22, G06V 30/222, G06V 30/224, G06V 30/2247, G06V 30/2253, G06V 30/226, G06V 30/2264, G06V 30/2268, G06V 30/2272, G06V 30/2276, G06V 30/228, G06V 30/24, G06V 30/242, G06V 30/244, G06V 30/2445, G06V 30/245, G06V 30/2455, G06V 30/246, G06V 30/248, G06V 30/2504, G06V 30/2528, G06V 30/2552, G06V 30/26, G06V 30/262, G06V 30/268, G06V 30/274, G06V 30/28, G06V 30/287, G06V 30/293, G06V 30/30, G06V 30/302, G06V 30/304, G06V 30/32, G06V 30/333, G06V 30/347, G06V 30/36, G06V 30/373 and G06V 30/387. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/12		Group G06V 30/12 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/98 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/127		Group G06V 30/127 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/987 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/133		Group G06V 30/133 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/993 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/14		Groups G06V 30/14, G06V 30/1423, G06V 30/144, G06V 30/153 and G06V 30/158 are incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/141		Group G06V 30/141 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/16 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.

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N	G06V 30/142		Group G06V 30/142 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/12, G06V 10/17 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1426		Group G06V 30/1426 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/19 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1429		Group G06V 30/1429 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/143, G06V 10/147 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1431		Group G06V 30/1431 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/141 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1434		Group G06V 30/1434 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/145 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1437		Group G06V 30/1437 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/147 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1444		Group G06V 30/1444 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/22 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1448		Group G06V 30/1448 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/225, G06V 10/245 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1452		Group G06V 30/1452 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/23 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1456		Group G06V 30/1456 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/235 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/146		Group G06V 30/146 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/24 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.

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N	G06V 30/1463		Group G06V 30/1463 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/242 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1465		Groups G06V 30/1465 and G06V 30/1468 are incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/245 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/147		Group G06V 30/147 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/25 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1473		Group G06V 30/1473 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/255 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1475		Group G06V 30/1475 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/243, G06V 10/245 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1478		Group G06V 30/1478 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/245 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/148		Group G06V 30/148 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/26 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/15		Group G06V 30/15 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/267 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/155		Group G06V 30/155 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/273 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/16		Group G06V 30/16 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/20 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1607		Group G06V 30/1607 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/20, G06V 10/247 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1613		Group G06V 30/1613 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/20, G06V 10/248 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.

Type*	Location	Old Warning	New/Modified Warning
N	G06V 30/162		Group G06V 30/162 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/20, G06V 10/28 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/164		Group G06V 30/164 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/20, G06V 10/30 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/166		Group G06V 30/166 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/20, G06V 10/32 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/168		Group G06V 30/168 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/20, G06V 10/34 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18		Group G06V 30/18 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/40 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1801		Group G06V 30/1801 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/44 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18019		Group G06V 30/18019 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/443 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18029		Group G06V 30/18029 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/446 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18038		Group G06V 30/18038 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/449 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18048		Group G06V 30/18048 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/451 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18057		Group G06V 30/18057 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/454 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18067		Group G06V 30/18067 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/48 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.

Type*	Location	Old Warning	New/Modified Warning
N	G06V 30/18076		Group G06V 30/18076 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/457 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18086		Group G06V 30/18086 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/50 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18095		Group G06V 30/18095 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/507 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18105		Group G06V 30/18105 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/56 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18114		Group G06V 30/18114 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/58 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18124		Group G06V 30/18124 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/60 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18133		Group G06V 30/18133 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/467 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18143		Group G06V 30/18143 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/462 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18152		Group G06V 30/18152 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/464 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18162		Group G06V 30/18162 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/422 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18171		Group G06V 30/18171 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/424 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/18181		Group G06V 30/18181 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/426 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.

Type*	Location	Old Warning	New/Modified Warning
N	G06V 30/1819		Group G06V 30/1819 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/513 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/182		Group G06V 30/182 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/44, G06V 10/46 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1823		Group G06V 30/1823 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/44, G06V 10/469 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1826		Group G06V 30/1826 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/44, G06V 10/478 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1829		Group G06V 30/1829 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/44, G06V 10/471 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1831		Group G06V 30/1831 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/44, G06V 10/473 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1834		Group G06V 30/1834 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/44, G06V 10/476 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1837		Group G06V 30/1837 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/44, G06V 10/478 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/184		Group G06V 30/184 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/421 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/186		Group G06V 30/186 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/42 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/187		Group G06V 30/187 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/431 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/188		Group G06V 30/188 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/435 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.

Type*	Location	Old Warning	New/Modified Warning
N	G06V 30/189		Group G06V 30/189 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/52 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19		Group G06V 30/19 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/62 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19007		Group G06V 30/19007 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6201, G06V 10/75 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19013		Group G06V 30/19013 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/751 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1902		Group G06V 30/1902 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/7515 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19027		Group G06V 30/19027 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/752 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19033		Group G06V 30/19033 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/753 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1904		Group G06V 30/1904 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/754 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19047		Group G06V 30/19047 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/755 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19053		Group G06V 30/19053 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/7553 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1906		Group G06V 30/1906 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/7557 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19067		Group G06V 30/19067 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/757 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.

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N	G06V 30/19073		Group G06V 30/19073 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/758 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1908		Group G06V 30/1908 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/759 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19087		Group G06V 30/19087 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/76 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19093		Group G06V 30/19093 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6215 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/191		Group G06V 30/191 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6217 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19107		Group G06V 30/19107 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6218, G06K 9/6219, G06K 9/622, G06K 9/6221, G06K 9/6222, G06K 9/6223, G06K 9/6224, G06K 9/6226 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19113		Group G06V 30/19113 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6227 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1912		Group G06V 30/1912 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6228, G06K 9/6229, G06K 9/623, G06K 9/6231 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19127		Group G06V 30/19127 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6232, G06K 9/6234, G06K 9/6235, G06K 2009/6236, G06K 2009/6237, G06K 2009/6238, G06K 9/6239, G06K 9/624, G06K 9/6242, G06K 9/6243, G06K 9/6244, G06K 9/6245, G06K 9/6246, G06K 9/6247, G06K 9/6248, G06K 9/6249, G06K 9/6251, G06K 9/6252 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19133		Group G06V 30/19133 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6254 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.

Type*	Location	Old Warning	New/Modified Warning
N	G06V 30/1914		Group G06V 30/1914 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6255 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19147		Group G06V 30/19147 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6256, G06K 9/6257, G06K 9/6259 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19153		Group G06V 30/19153 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/626, G06K 9/6261 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1916		Group G06V 30/1916 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6262 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19167		Group G06V 30/19167 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6262, G06K 9/6263, G06K 9/6264, G06K 9/6265 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19173		Group G06V 30/19173 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6267, G06K 9/6268, G06K 9/6269, G06K 9/627, G06K 9/6271, G06K 9/6272, G06K 9/6273, G06K 9/6274, G06K 9/6276, G06K 9/6277, G06K 9/6278, G06K 9/6279, G06K 9/628, G06K 9/6281, G06K 9/6282, G06K 9/6284, G06K 9/6285, G06K 9/6286, G06K 9/6287 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1918		Group G06V 30/1918 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6288, G06K 9/6289, G06K 9/629, G06K 9/6292, G06K 9/6293, G06K 2009/6294, G06K 2009/6295 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19187		Group G06V 30/19187 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6296, G06K 9/6297 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/19193		Group G06V 30/19193 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6298 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/192		Group G06V 30/192 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/75 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.

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N	G06V 30/194		Group G06V 30/194 is incomplete pending reclassification of documents from groups G06K 9/00 and G06V 30/10. Group G06V 30/194 is also impacted by reclassification into groups G06V 10/70 and G06V 10/766. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/195		Group G06V 30/195 is incomplete pending reclassification of documents from groups G06K 9/00 and G06V 30/10. Groups G06K 9/00, G06V 30/10 and G06V 30/195 should be considered in order to perform a complete search.
N	G06V 30/196		Groups G06V 30/196 and G06V 30/198 are incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/75 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/1983		Groups G06V 30/1983, G06V 30/1985 and G06V 30/1988 are incomplete pending reclassification of documents from groups G06K 9/00 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/199		Group G06V 30/199 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/20, G06V 10/88, G06V 10/89, G06V 10/893, G06V 10/895, G06V 10/898, G06V 10/92 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/20		Group G06V 30/20 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/10, G06V 10/20, G06V 10/36, G06V 10/88 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/22		Groups G06V 30/22, G06V 30/222, G06V 30/226, G06V 30/2264, G06V 30/2268, G06V 30/2272, G06V 30/2276 and G06V 30/228 are incomplete pending reclassification of documents from groups G06K 9/00 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/224		Groups G06V 30/224, G06V 30/2247 and G06V 30/2253 are incomplete pending reclassification of documents from groups G06K 9/00, G06V 30/10 and G06V 30/40. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/24		Groups G06V 30/24, G06V 30/242, G06V 30/244, G06V 30/2445, G06V 30/245, G06V 30/2455, G06V 30/246, G06V 30/248, G06V 30/2504, G06V 30/2528 and G06V 30/2552 are incomplete pending reclassification of documents from groups G06K 9/00 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/26		Groups G06V 30/26, G06V 30/268 and G06V 30/274 are incomplete pending reclassification of documents from groups G06K 9/00 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.

Type*	Location	Old Warning	New/Modified Warning
N	G06V 30/262		Group G06V 30/262 is incomplete pending reclassification of documents from groups G06K 9/00, G06V 10/768 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/28		Groups G06V 30/28, G06V 30/287 and G06V 30/293 are incomplete pending reclassification of documents from groups G06K 9/00 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/30		Groups G06V 30/30 and G06V 30/304 are incomplete pending reclassification of documents from groups G06K 9/00 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/302		Group G06V 30/302 is incomplete pending reclassification of documents from groups G06K 9/00, G06K 9/6262 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/32		Groups G06V 30/32, G06V 30/333, G06V 30/347, G06V 30/36, G06V 30/373 and G06V 30/387 are incomplete pending reclassification of documents from groups G06K 9/00 and G06V 30/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/40		Group G06V 30/40 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 30/40 is also impacted by reclassification into groups G06V 30/224, G06V 30/2247, G06V 30/2253 and G06V 30/41. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06V 30/41		Group G06V 30/41 is incomplete pending reclassification of documents from groups G06K 9/00 and G06V 30/40. Groups G06K 9/00, G06V 30/40 and G06V 30/41 should be considered in order to perform a complete search.
N	G06V 40/00		Groups G06V 40/00, G06V 40/10, G06V 40/103, G06V 40/107, G06V 40/11, G06V 40/113, G06V 40/117, G06V 40/12, G06V 40/1306, G06V 40/1312, G06V 40/1318, G06V 40/1324, G06V 40/1329, G06V 40/1335, G06V 40/1341, G06V 40/1347, G06V 40/1353, G06V 40/1359, G06V 40/1365, G06V 40/1371, G06V 40/1376, G06V 40/1382, G06V 40/1388, G06V 40/1394, G06V 40/14, G06V 40/15, G06V 40/155, G06V 40/16, G06V 40/161, G06V 40/162, G06V 40/164, G06V 40/165, G06V 40/166, G06V 40/167, G06V 40/168, G06V 40/169, G06V 40/171, G06V 40/172, G06V 40/173, G06V 40/174, G06V 40/175, G06V 40/176, G06V 40/178, G06V 40/179, G06V 40/18, G06V 40/19, G06V 40/193, G06V 40/197, G06V 40/20, G06V 40/23, G06V 40/25, G06V 40/28, G06V 40/30, G06V 40/33, G06V 40/37, G06V 40/376, G06V 40/382, G06V 40/388, G06V 40/394, G06V 40/40, G06V 40/45, G06V 40/50, G06V 40/53, G06V 40/55, G06V 40/58, G06V 40/60, G06V 40/63, G06V 40/67 and G06V 40/70 are incomplete pending reclassification of documents from group G06K 9/00. All groups listed in this Warning should be considered in order to perform a complete search.

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N	G06V 40/13		Group G06V 40/13 is incomplete pending reclassification of documents from group G06K 9/00. Group G06V 40/13 is also impacted by reclassification into group G06V 40/145. Groups G06K 9/00, G06V 40/13 and G06V 40/145 should be considered in order to perform a complete search.
N	G06V 40/145		Group G06V 40/145 is incomplete pending reclassification of documents from groups G06K 9/00 and G06V 40/13. Groups G06K 9/00, G06V 40/13 and G06V 40/145 should be considered in order to perform a complete search.

*N = new warning, M = modified warning, D = deleted warning

NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

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DATE: JANUARY 1, 2022

PROJECT RP0760

C. New, Modified or Deleted Note(s)

SUBCLASS G06K - RECOGNITION OF DATA; PRESENTATION OF DATA; RECORD CARRIERS; HANDLING RECORD CARRIERS (printing per seB41J)

Type*	Location	Old Note	New/Modified Note
M	G06K	1. This subclass covers: • marking, sensingand conveying of record carriers; • recognising characters or other data; • presenting visually or otherwise the data recognised or the result of a computation.	Replace the text in the second bullet with the updated text shown below. • reading graphical representations from record carriers, e.g. barcodes;
D	G06K	2. This subclass does not cover printing per se.	Delete the existing Note 2.
D	G06K9/00	1. Group G06K9/58 takes precedence over groups G06K9/38 - G06K9/54. This Note corresponds to IPC Note (1) relating to G06K9/38 - G06K9/54. 2. In this group, the following term is used with the meaning indicated: – "recognising" includes several functions such as extracting features, clustering, classifying or matching. 3. IPC subgroups G06K9/20, G06K9/36, G06K9/62 and G06K9/74 refer to methods or arrangements that can be applied to a pattern independently of its nature or to that are applied to specific patterns not included in the subgroups in the range G06K9/00006 - G06K9/00852. The CPC subgroups in the range G06K9/00006 - G06K9/00852 refer to the same methods or arrangements when applied or specially adapted to the specific patterns to which these subgroups relate. 4. The present group does not cover the use of recognised patterns in specific applications, e.g. the use of traced gestures recognised as commands to be input to a computer is covered by the groups under G06F3/00.	Delete the entire note.

SUBCLASS G06V - IMAGE OR VIDEO RECOGNITION OR UNDERSTANDING

Type*	Location	Old Note	New/Modified Note

N	G06V		Insert the following new notes.
			
			1. This subclass covers:
			
			  • methods or arrangements for pattern recognition or machine learning specially adapted for images or video.
			
			2. In this subclass, the following terms or expressions are used with the meaning indicated:
			
			  • "pattern recognition" means detection, categorisation, authentication and identification of patterns for explanatory purposes or to derive a certain meaning in images or video, by acquiring, preprocessing or extracting distinctive features and matching, clustering or classifying these features or representations thereof;
			
			  • "feature extraction" means deriving descriptive or quantitative measures from images or video;
			
			  • "clustering" means grouping or separating patterns according to their (dis)similarity or closeness;
			
			  • "classification" means the identification of an object/feature as belonging to a class of objects/features by assigning of a label.
			
			3. In this subclass, subject matter classified in groups G06V 20/00 - G06V 40/00 is also classified in groups G06V 10/10 or G06V 10/20 respectively, if recognition relies on specific processing at the stages of acquisition or preprocessing.

N	G06V 20/00		Insert the following new note. In this group, the following term is used with the meaning indicated: • "scene" is a visual representation of the world or of some elements of it, as captured by a sensor or generated by a computer.
N	G06V 30/00		Insert the following new note. This group covers recognition of characters or digital ink, where the characters or the digital ink can include representations in three dimensions, e.g. as written by performing gestures in the air.

*N = new note, M = modified note, D = deleted note

NOTE: The "Location" column only requires the symbol PRIOR to the location of the note. No further directions such as "before" or "after" are required.

2. A. DEFINITIONS (New)

Insert the following new definitions.

G06V

Definition statement

This place covers:

Higher-level interpretation and cognition of images or videos, which includes pattern recognition, pattern learning and semantic interpretation as fundamental aspects. These aspects involve the detection, categorisation, identification, authentication of image or video patterns by acquiring, preprocessing, extracting distinctive features or matching, supervised or unsupervised clustering or classification of these features or representations derived from them leading to one or several decisions, related confidence values (e.g. probabilities) or classification/clustering labels for explanatory purposes or to derive a certain meaning.

Pattern recognition or pattern learning in a specific, image or video-related context that includes:

- scene-related patterns and scene-specific elements - G06V20/00
- character recognition or recognising digital ink; document-oriented image-based pattern recognition – G06V30/00
- human-related, animal-related or biometric patterns in in image or video data G06V40/00.

Typical image or video understanding systems that include one or more of the following steps:
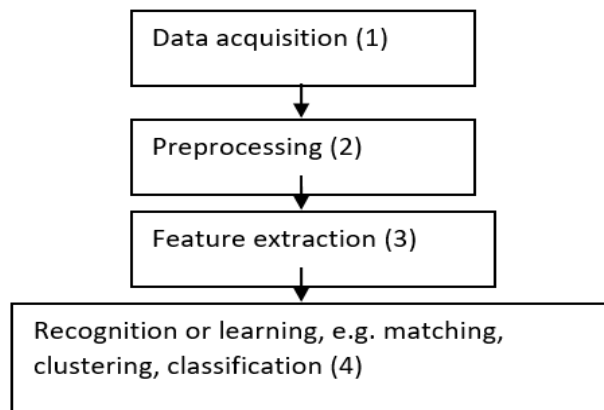
Figure 1. Processing steps involved in a pattern recognition system

These steps are provided as follows: image acquisition (G06V 10/10), image preprocessing (G06V 10/20), feature extraction (G06V 10/40), pattern recognition or pattern learning, e.g. matching, clustering or classifying techniques (G06V 10/70).

Image or video recognition can be carried out by using electronic means (G06V 10/70) or by using optical means (G06V 10/88).

Typically, a pattern recognition system involves one or more of the following techniques:

	Individual data entity	Groups of data entities (classes)
One data sample	Authentication	Categorisation
Several data samples	Identification	Clustering

When a collection of data samples is provided, identification means selecting a particular sample having a (predefined) characteristic which distinguishes it from the others. Several data samples are generally matched against the one to be identified in a many-to-one process.

Authentication involves verifying the identity of a sample using a test of genuineness and it involves a one-to-one comparison with the genuine (authentic) sample.

Categorisation means assigning a data sample to a class according to certain distinguishing properties (or characteristics) of that class and it generally involves a one-to-many test in which one data sample is compared with the characteristics of several classes.

Clustering means grouping data samples in groups or classes based on their properties (or characteristics) and it generally involves a many-to-many (dis)similarity test.

Relationships with other classification places

Data mining and pattern recognition techniques in general are classified in G06K 9/62.

Some techniques of image or video understanding performed in the preprocessing step (Fig. 1, elem. 2) — which start with a bitmap image as an input and derive a non-bitmap representation from it — can also be encountered in general image analysis. If these techniques do not involve one of the functions of image or video pattern authentication, identification, categorisation or clustering, classification should be made only in the appropriate subgroups of subclass G06T. Some examples of these techniques are: general methods for image segmentation, e.g. obtaining contiguous image regions with similar pixels, for position and size determination of an object without establishing its identity, for calculating the motion of an image region corresponding to an object irrespective of the identity of the object, for camera calibration, etc.

Biometric recognition provided under G06V 40/00 does not cover techniques for medical image inspection or medical diagnosis.

Techniques based on coding, decoding, compressing or decompressing digital video signals using video object coding are provided under H04N 19/20.

Velocity or trajectory determination systems or sense-of-movement determination systems using radar, sonar or lidar are provided for under G01S 13/58, G01S 15/58, G01S 17/58, respectively.

General purpose image data processing, in particular image watermarking is provided under G06T 1/00, while selective content distribution, such as generation or processing of protective or descriptive data associated with content involving watermarking is covered by H04N 21/8358.

General purpose image data acquisition and related pre-processing using digital cameras and processing used to control digital cameras is provided under H04N 5/00.

Play-back, editing, or synchronising of a music score, including interpretation therefor, as well as transmission of a music score between systems of musical instruments for play-back, editing or synchronising is provided under G10H.

References

Application-oriented references

Examples of places where the subject matter of this place is covered when specially

adapted, used for a particular purpose, or incorporated in a larger system:

Detecting, measuring and recording for medical diagnostic purposes	A61B 5/00
Identifications of persons in medical applications	A61B 5/117
Postal sorting	B07C 3/10
Input arrangements for interaction between user and computer	G06F 3/01
Testing to determine the identity or genuineness of paper currency or similar valuable papers	G07D 7/00

Informative references

Attention is drawn to the following places, which may be of interest for search:

Programme-controlled manipulators	B25J 9/00
Optical viewing arrangements in vehicles	B60R 1/00
Testing machines or structures	G01M

Investigating or analysing materials by determining their chemical or physical properties	G01N
Radio direction-finding; Radio navigation; Determining distance or velocity by use of radio waves; Locating or presence-detecting by use of the reflection or reradiation of radio waves; Analogous arrangements using other waves	G01S
Geophysics	G01V
Optical elements, systems, or apparatus	G02B
Photomechanical production of textured or patterned surfaces, e.g. for printing, for processing of semiconductor devices	G03F
Control or regulating systems in general	G05B
Input arrangements for transferring data to be processed into a form capable of being handled by the computer; Output arrangements for transferring data from processing unit to output unit, e.g. interface arrangements	G06F 3/00
Content-based image retrieval	G06F 16/50
Fourier, Walsh or analogous domain transformations	G06F 17/14
Security arrangements for protecting computer systems against unauthorised activity	G06F 21/00
Authentication of user input in security arrangements for computers	G06F 21/30
Computer-aided design	G06F 30/00
Handling natural language data	G06F 40/00
Methods or arrangements for sensing record carriers	G06K 7/00
Record carriers for use with machines and with at least a part designed to carry digital markings	G06K 19/00
Computer systems based on specific computational models	G06N
Data processing for business purposes, logistics, stock management	G06Q
General purpose image data processing, e.g. general purpose image acquisition, image watermarking or specific image analysis processor architectures or configurations	G06T 1/00
Geometric image transformation in the plane of the image, e.g. rotation of a whole image or part thereof	G06T 3/00
Image enhancement or restoration	G06T 5/00
Image analysis in general	G06T 7/00
Image analysis, in particular analysis of motion using feature-based methods	G06T 7/246
Image analysis, in particular determination of transform parameters for the alignment of images using feature-based methods	G06T 7/33
Image analysis of texture	G06T 7/40
Image analysis, in particular depth or shape recovery	G06T 7/50

Image analysis, in particular determining position and orientation of objects using feature-based methods	G06T 7/73
Image analysis, in particular determination of colour characteristics	G06T 7/90
Image coding, e.g. from bit-mapped to non bit-mapped	G06T 9/00
Contour coding, e.g. using detection of edges	G06T 9/20
Two-dimensional image generation	G06T 11/00
Three-dimensional image rendering	G06T 15/00
Lighting effects in 3D image rendering	G06T 15/50
Three-dimensional modelling, e.g. data description of 3D objects	G06T 17/00
Manipulating 3D models or images for computer graphics	G06T 19/00
Individual entry and exit registers	G07C 9/00
Intruder alarms using image scanning and comparing means	G08B 13/194
Burglar, theft or intruder alarm	G08B 13/196
Traffic control systems for road vehicles	G08G 1/00
Labels, tag tickets or similar identification or indication means	G09F 3/00
Speech recognition	G10L 15/00
Speaker recognition	G10L 17/00
Bioinformatics	G16B
Chemoinformatics and computational material science	G16C
Healthcare informatics	G16H
Semiconductor devices	H01L
Secret or secure communication	H04L 9/00
Scanning, transmission or reproduction of documents, e.g. facsimile transmission	H04N 1/00
Studio circuitry for television systems	H04N 5/222
Closed circuit television systems	H04N 7/18
Methods or arrangements for coding, decoding, compressing or decompressing digital video signals using video object coding	H04N 19/20
Methods or arrangements for coding, decoding, compressing or decompressing digital video signals, region motion estimation for predictive coding	H04N 19/543

Special rules of classification

The subject-matter classified in the application-oriented groups G06V 20/00 - G06V 40/00 is also classified in the groups G06V 10/10 (Image acquisition) or G06V 10/20 (Image preprocessing) when specific adaptations of the application-related context occur at the stages of image acquisition or, respectively, image preprocessing.

Pattern recognition or pattern learning techniques for images or video understanding involving feature extraction (Fig. 1, elem. 3) or matching, clustering or classification (Fig. 1, elem. 4) should be classified in G06V 10/40 or G06V 10/70 in general, thus

irrespective whether an application-related context provided by the groups G06V 20/00 - G06V 40/00 exists.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Pattern	Data with inherent variability, or a representation derived from it, having some explanatory characteristic or a meaning, e.g. an object depicted in an image
Image and video understanding	Techniques for semantic interpretation, pattern recognition or pattern learning specifically applied to images and videos
Feature extraction	Deriving descriptive or quantitative measures from data
Clustering	Grouping or separating patterns according to their (dis)similarity or closeness
Classification	Assigning labels to patterns

2. A. DEFINITIONS (Modified)

G06K

Definition statement

Replace: The <u>existing</u> <u>first</u> paragraph in the "Definition statement" section with the
following <u>updated</u> first paragraph.

> Methods or arrangements for reading printed or written characters; for
> graph-reading or for converting the pattern of mechanical parameters into
> electrical signals; for printing of data in the shape of alphanumeric or other
> characters from a record carrier; for verifying the correctness of markings
> on a record carrier; for sensing record carriers; and for marking the record
> carrier in digital fashion.

Insert   The following <u>new</u> "Limiting references" section.

Limiting references

This place does not cover:

Image or video recognition or understanding	G06V

G06K9/00

Definition statement

Replace: <u>All</u> of the text in the <u>existing</u> "Definition statement" section with the following
<u>updated</u> text.

> The initial (IPC 1) scope of G06K 9/00 was:
>
> "Methods or arrangements for reading or recognising printed or written
> characters or geometric figures" (OCR). From IPC 3 on, it also covers
> methods and arrangements for "recognising patterns" in general.
>
> Recognising patterns means the labelling (categorisation, classification,
> identification) of a pattern, being measured data representing an object,
> with a meaningful label, based on the measured data from the object. It can
> also concern the detection of predetermined classes of patterns. The
> recognition function has tolerance to variability of objects within a class.
> The label is meaningful in the sense that it represents a group of objects

which share common properties or features. The label can be one of multiple labels (e.g. OCR) or binary (e.g. authentication).

Methods or systems for recognising patterns include the following functions:

- Acquisition of the pattern measurements. Acquisition includes stripping measured data not "belonging" to the pattern to be identified.
- (optional): pre-processing of the measurements, which should reduce the raw acquired / measured data. Determining / measuring features of the pattern (e.g. components in a spectral transformation) is a typical pre-processing for pattern recognition, but also size normalisation, etc can be involved.
- Decision on a class involving comparison with reference information.

G06K 9/00 covers the actual recognition (classification; decision making) processes that can be applied irrespective of the nature of the patterns (objects) or measured data, e.g. classification/ discriminant methods. Also clustering and Blind Source Separation are covered.

G06K 9/00 further covers the recognition of patterns in (one-dimensional) signals, as far as the processing is of general applicability, i.e. not specific to the nature of the signal (e.g. not cardiac or seismic patterns).

The subgroup G06K 9/62 covers matching and classification using electronic means.

Relationships with other classification places

Replace: All of the text in the existing "Relationships with other classification places" section with the following updated text.

As functions originally provided in G06K 9/00 are less and less implemented on dedicated hardware but on general purpose computers (PC) instead, new related groups have been created outside G06K 9/00.

The most important of these is G06T 7/00: Image analysis.

When no recognition or understanding is obtained by the image analysis or processing, but rather some other information (position, size, motion vector, etc.), groups in G06T 7/00 apply.

Functions traditionally associated with pattern recognition can also be used for image analysis, enhancement or other transformations. When not essentially related to a recognition, groups in G06T (mostly G06T 3/00, G06T 5/00 and G06T 7/00) should apply.

References

Limiting references

Replace: All of the existing references in the "Limiting references" table with the following updated three references.

Methods or arrangements for graph-reading or for converting the pattern of mechanical parameters, e.g. force or presence, into electrical signals	G06K 11/00
Image or video recognition or understanding	G06V
Speech recognition	G10L 15/00

Special rules of classification

Delete: The entire "Special rules of classification" section.

G06K9/00496

Limiting references

Delete: The following existing reference from the "Limiting references" table.

Signature verification	G06K 9/00154

Insert: The following new reference in the existing "Limiting references" table.

Writer recognition, reading and verifying signatures	G06V 40/30

2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
G06K 9/00013	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/00046	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/00087	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/00127	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/00154	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/00852	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/20	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/2009	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/28	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/32	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/3208	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/3233	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/3275	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/34	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/36	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/38	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/40	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/42	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/44	Definition		<u>Delete</u> the <u>entire</u> definition.

G06K 9/46	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/4642	Definition		<u>Delete</u> the <u>entire</u> definition.
G06K 9/482	Definition		<u>Delete</u> the <u>entire</u> definition.

NOTES:
- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.

3.   REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	G06K 9/00	G06K 9/00, G06V 10/00, G06V 10/10, G06V 10/12, G06V 10/14, G06V 10/141, G06V 10/143, G06V 10/145, G06V 10/147, G06V 10/16, G06V 10/17, G06V 10/19, G06V 10/20, G06V 10/22, G06V 10/225, G06V 10/23, G06V 10/235, G06V 10/24, G06V 10/242, G06V 10/243, G06V 10/245, G06V 10/247, G06V 10/248, G06V 10/25, G06V 10/255, G06V 10/26, G06V 10/267, G06V 10/273, G06V 10/28, G06V 10/30, G06V 10/32, G06V 10/34, G06V 10/36, G06V 10/40, G06V 10/42, G06V 10/421, G06V 10/422, G06V 10/424, G06V 10/426, G06V 10/431, G06V 10/435, G06V 10/44, G06V 10/443, G06V 10/446, G06V 10/449, G06V 10/451, G06V 10/454, G06V 10/457, G06V 10/46, G06V 10/462, G06V 10/464, G06V 10/467, G06V 10/469, G06V 10/471, G06V 10/473, G06V 10/476, G06V 10/478, G06V 10/48, G06V 10/50, G06V 10/507, G06V 10/513, G06V 10/52, G06V 10/56, G06V 10/58, G06V 10/60, G06V 10/62, G06V 10/70, G06V 10/72, G06V 10/74, G06V 10/75, G06V 10/751, G06V 10/7515, G06V 10/752, G06V 10/753, G06V 10/754, G06V 10/755, G06V 10/7553, G06V 10/7557, G06V 10/757, G06V 10/758, G06V 10/759, G06V 10/76, G06V 10/761, G06V 10/762, G06V 10/7625, G06V 10/763, G06V 10/7635, G06V 10/764, G06V 10/765, G06V 10/766, G06V 10/768, G06V 10/77, G06V 10/771, G06V 10/7715, G06V 10/772, G06V 10/774, G06V 10/7747, G06V 10/7753, G06V 10/776, G06V 10/778, G06V 10/7784, G06V 10/7788, G06V 10/7792, G06V 10/7796, G06V 10/80, G06V 10/803, G06V 10/806, G06V 10/809, G06V 10/811, G06V 10/814, G06V 10/817, G06V 10/82, G06V 10/84, G06V 10/85, G06V 10/86, G06V 10/87, G06V 10/88, G06V 10/89, G06V 10/893, G06V 10/895, G06V 10/898, G06V 10/92, G06V 10/94, G06V 10/945, G06V 10/95, G06V 10/955, G06V 10/96, G06V 10/98, G06V 20/00, G06V 20/05, G06V 20/10, G06V 20/13, G06V 20/17, G06V 20/176, G06V 20/182, G06V 20/188, G06V 20/194, G06V 20/20, G06V 20/30, G06V 20/35, G06V 20/36, G06V 20/38, G06V 20/39, G06V 20/40, G06V 20/41, G06V 20/42, G06V 20/43, G06V 20/44, G06V 20/46, G06V 20/47, G06V 20/48, G06V 20/49, G06V 20/50, G06V 20/52, G06V 20/53, G06V 20/54, G06V 20/56, G06V 20/58, G06V 20/582, G06V 20/584, G06V 20/586, G06V 20/588, G06V 20/59, G06V 20/593, G06V 20/597, G06V 20/60, G06V 20/62, G06V 20/625, G06V 20/63, G06V 20/635, G06V 20/64, G06V 20/647, G06V 20/653, G06V 20/66, G06V 20/68, G06V 20/69, G06V 20/693, G06V 20/695, G06V 20/698, G06V 20/70, G06V 20/80, G06V 20/90, G06V 30/00, G06V 30/10, G06V 30/12, G06V 30/127, G06V 30/133, G06V 30/14, G06V 30/141, G06V 30/142, G06V 30/1423, G06V 30/1426, G06V 30/1429, G06V 30/1431, G06V 30/1434, G06V 30/1437, G06V 30/144, G06V 30/1444, G06V 30/1448, G06V 30/1452, G06V 30/1456, G06V 30/146, G06V 30/1463, G06V 30/1465, G06V 30/1468, G06V 30/147, G06V 30/1473, G06V 30/1475, G06V 30/1478, G06V 30/148, G06V 30/15, G06V 30/153, G06V 30/155, G06V 30/158, G06V 30/16, G06V 30/1607, G06V 30/1613, G06V 30/162, G06V 30/164, G06V 30/166, G06V 30/168, G06V 30/18, G06V 30/1801, G06V 30/18019, G06V 30/18029, G06V 30/18038, G06V 30/18048, G06V 30/18057, G06V 30/18067, G06V 30/18076, G06V 30/18086, G06V 30/18095, G06V 30/18105, G06V 30/18114,

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
		G06V 30/18124, G06V 30/18133, G06V 30/18143, G06V 30/18152, G06V 30/18162, G06V 30/18171, G06V 30/18181, G06V 30/1819, G06V 30/182, G06V 30/1823, G06V 30/1826, G06V 30/1829, G06V 30/1831, G06V 30/1834, G06V 30/1837, G06V 30/184, G06V 30/186, G06V 30/187, G06V 30/188, G06V 30/189, G06V 30/19, G06V 30/19007, G06V 30/19013, G06V 30/1902, G06V 30/19027, G06V 30/19033, G06V 30/1904, G06V 30/19047, G06V 30/19053, G06V 30/1906, G06V 30/19067, G06V 30/19073, G06V 30/1908, G06V 30/19087, G06V 30/19093, G06V 30/191, G06V 30/19107, G06V 30/19113, G06V 30/1912, G06V 30/19127, G06V 30/19133, G06V 30/1914, G06V 30/19147, G06V 30/19153, G06V 30/1916, G06V 30/19167, G06V 30/19173, G06V 30/1918, G06V 30/19187, G06V 30/19193, G06V 30/192, G06V 30/194, G06V 30/195, G06V 30/196, G06V 30/198, G06V 30/1983, G06V 30/1985, G06V 30/1988, G06V 30/199, G06V 30/20, G06V 30/22, G06V 30/222, G06V 30/224, G06V 30/2247, G06V 30/2253, G06V 30/226, G06V 30/2264, G06V 30/2268, G06V 30/2272, G06V 30/2276, G06V 30/228, G06V 30/24, G06V 30/242, G06V 30/244, G06V 30/2445, G06V 30/245, G06V 30/2455, G06V 30/246, G06V 30/248, G06V 30/2504, G06V 30/2528, G06V 30/2552, G06V 30/26, G06V 30/262, G06V 30/268, G06V 30/274, G06V 30/28, G06V 30/287, G06V 30/293, G06V 30/30, G06V 30/302, G06V 30/304, G06V 30/32, G06V 30/333, G06V 30/347, G06V 30/36, G06V 30/373, G06V 30/387, G06V 30/40, G06V 30/41, G06V 30/412, G06V 30/413, G06V 30/414, G06V 30/416, G06V 30/418, G06V 30/42, G06V 30/422, G06V 30/424, G06V 40/00, G06V 40/10, G06V 40/103, G06V 40/107, G06V 40/11, G06V 40/113, G06V 40/117, G06V 40/12, G06V 40/13, G06V 40/1306, G06V 40/1312, G06V 40/1318, G06V 40/1324, G06V 40/1329, G06V 40/1335, G06V 40/1341, G06V 40/1347, G06V 40/1353, G06V 40/1359, G06V 40/1365, G06V 40/1371, G06V 40/1376, G06V 40/1382, G06V 40/1388, G06V 40/1394, G06V 40/14, G06V 40/145, G06V 40/15, G06V 40/155, G06V 40/16, G06V 40/161, G06V 40/162, G06V 40/164, G06V 40/165, G06V 40/166, G06V 40/167, G06V 40/168, G06V 40/169, G06V 40/171, G06V 40/172, G06V 40/173, G06V 40/174, G06V 40/175, G06V 40/176, G06V 40/178, G06V 40/179, G06V 40/18, G06V 40/19, G06V 40/193, G06V 40/197, G06V 40/20, G06V 40/23, G06V 40/25, G06V 40/28, G06V 40/30, G06V 40/33, G06V 40/37, G06V 40/376, G06V 40/382, G06V 40/388, G06V 40/394, G06V 40/40, G06V 40/45, G06V 40/50, G06V 40/53, G06V 40/55, G06V 40/58, G06V 40/60, G06V 40/63, G06V 40/67, G06V 40/70
D	G06K 9/00006	< administrative transfer to G06V 40/12 >
D	G06K 9/00013	< administrative transfer to G06V 40/13 >
D	G06K 9/0002	< administrative transfer to G06V 40/1306 >
D	G06K 9/00026	< administrative transfer to G06V 40/1335 >
D	G06K 9/00033	< administrative transfer to G06V 40/1312 >
D	G06K 9/0004	< administrative transfer to G06V 40/1318 >
D	G06K 9/00046	< administrative transfer to G06V 40/1324 >
D	G06K 9/00053	< administrative transfer to G06V 40/1329 >
D	G06K 2009/0006	< administrative transfer to G06V 40/1341 >
D	G06K 9/00067	< administrative transfer to G06V 40/1347 >
D	G06K 9/00073	< administrative transfer to G06V 40/1353 >
D	G06K 9/0008	< administrative transfer to G06V 40/1359 >

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	G06K 9/00087	< administrative transfer to G06V 40/1365 >
D	G06K 9/00093	< administrative transfer to G06V 40/1371 >
D	G06K 9/001	< administrative transfer to G06V 40/1376 >
D	G06K 9/00107	< administrative transfer to G06V 40/1382 >
D	G06K 9/00114	< administrative transfer to G06V 40/1388 >
D	G06K 9/0012	< administrative transfer to G06V 40/1394 >
D	G06K 9/00127	< administrative transfer to G06V 20/69 >
D	G06K 9/00134	< administrative transfer to G06V 20/693 >
D	G06K 9/0014	< administrative transfer to G06V 20/695 >
D	G06K 9/00147	< administrative transfer to G06V 20/698 >
D	G06K 9/00154	< administrative transfer to G06V 40/30>
D	G06K 9/00161	< administrative transfer to G06V 40/33>
D	G06K 9/00167	< administrative transfer to G06V 40/37>
D	G06K 9/00174	< administrative transfer to G06V 40/376>
D	G06K 9/00181	< administrative transfer to G06V 40/394>
D	G06K 9/00187	< administrative transfer to G06V 40/382>
D	G06K 9/00194	< administrative transfer to G06V 40/388>
D	G06K 9/00201	< administrative transfer to G06V 20/64 >
D	G06K 9/00208	< administrative transfer to G06V 20/647 >
D	G06K 9/00214	< administrative transfer to G06V 20/653 >
D	G06K 9/00221	< administrative transfer to G06V 40/16 >
D	G06K 9/00228	< administrative transfer to G06V 40/161 >
D	G06K 9/00234	< administrative transfer to G06V 40/162 >
D	G06K 9/00241	< administrative transfer to G06V 40/164 >
D	G06K 9/00248	< administrative transfer to G06V 40/165 >
D	G06K 9/00255	< administrative transfer to G06V 40/166 >
D	G06K 9/00261	< administrative transfer to G06V 40/167 >
D	G06K 9/00268	< administrative transfer to G06V 40/168 >
D	G06K 9/00275	< administrative transfer to G06V 40/169 >
D	G06K 9/00281	< administrative transfer to G06V 40/171 >
D	G06K 9/00288	< administrative transfer to G06V 40/172 >
D	G06K 9/00295	< administrative transfer to G06V 40/173 >
D	G06K 9/00302	< administrative transfer to G06V 40/174 >
D	G06K 9/00308	< administrative transfer to G06V 40/175 >
D	G06K 9/00315	< administrative transfer to G06V 40/176 >
D	G06K 2009/00322	< administrative transfer to G06V 40/178 >
D	G06K 2009/00328	< administrative transfer to G06V 40/179 >
D	G06K 9/00335	< administrative transfer to G06V 40/20 >
D	G06K 9/00342	< administrative transfer to G06V 40/23 >
D	G06K 9/00348	< administrative transfer to G06V 40/25 >
D	G06K 9/00355	< administrative transfer to G06V 40/28 >
D	G06K 9/00362	< administrative transfer to G06V 40/10 >
D	G06K 9/00369	< administrative transfer to G06V 40/103 >
D	G06K 9/00375	< administrative transfer to G06V 40/107 >
D	G06K 9/00382	< administrative transfer to G06V 40/11 >
D	G06K 9/00389	< administrative transfer to G06V 40/113 >
D	G06K 2009/00395	< administrative transfer to G06V 40/117 >
D	G06K 9/00402	< administrative transfer to G06V 30/32 >

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	G06K 9/00409	< administrative transfer to G06V 30/333>
D	G06K 9/00416	< administrative transfer to G06V 30/347>
D	G06K 9/00422	< administrative transfer to G06V 30/36>
D	G06K 9/00429	< administrative transfer to G06V 30/373 >
D	G06K 9/00436	< administrative transfer to G06V 30/387>
D	G06K 9/00442	< administrative transfer to G06V 30/40 >
D	G06K 9/00449	< administrative transfer to G06V 30/412 >
D	G06K 9/00456	< administrative transfer to G06V 30/413 >
D	G06K 9/00463	< administrative transfer to G06V 30/414 >
D	G06K 9/00469	< administrative transfer to G06V 30/416>
D	G06K 9/00476	< administrative transfer to G06V 30/422 >
D	G06K 9/00483	< administrative transfer to G06V 30/418 >
D	G06K 2009/00489	< administrative transfer to G06V 30/43 >
D	G06K 9/00577	< administrative transfer to G06V 20/80 >
D	G06K 2009/00583	< administrative transfer to G06V 20/90 >
D	G06K 2009/0059	< administrative transfer to G06V 20/95 >
D	G06K 9/00597	< administrative transfer to G06V 40/18 >
D	G06K 9/00604	< administrative transfer to G06V 40/19 >
D	G06K 9/0061	< administrative transfer to G06V 40/193>
D	G06K 9/00617	< administrative transfer to G06V 40/197 >
D	G06K 9/00624	< administrative transfer to G06V 20/00 >
D	G06K 9/0063	< administrative transfer to G06V 20/13 >
D	G06K 9/00637	< administrative transfer to G06V 20/176 >
D	G06K 2009/00644	< administrative transfer to G06V 20/194 >
D	G06K 9/00651	< administrative transfer to G06V 20/182 >
D	G06K 9/00657	< administrative transfer to G06V 20/188 >
D	G06K 9/00664	< administrative transfer to G06V 20/10 >
D	G06K 9/00671	< administrative transfer to G06V 20/20 >
D	G06K 9/00677	< administrative transfer to G06V 20/30 >
D	G06K 9/00684	< administrative transfer to G06V 20/35 >
D	G06K 9/00691	< administrative transfer to G06V 20/36 >
D	G06K 9/00697	< administrative transfer to G06V 20/38 >
D	G06K 9/00704	< administrative transfer to G06V 20/39 >
D	G06K 9/00711	< administrative transfer to G06V 20/40 >
D	G06K 9/00718	< administrative transfer to G06V 20/41 >
D	G06K 9/00724	< administrative transfer to G06V 20/42 >
D	G06K 9/00731	< administrative transfer to G06V 20/43 >
D	G06K 2009/00738	< administrative transfer to G06V 20/44 >
D	G06K 9/00744	< administrative transfer to G06V 20/46 >
D	G06K 9/00751	< administrative transfer to G06V 20/47 >
D	G06K 9/00758	< administrative transfer to G06V 20/48 >
D	G06K 9/00765	< administrative transfer to G06V 20/49 >
D	G06K 9/00771	< administrative transfer to G06V 20/52 >
D	G06K 9/00778	< administrative transfer to G06V 20/53 >
D	G06K 9/00785	< administrative transfer to G06V 20/54 >
D	G06K 9/00791	< administrative transfer to G06V 20/56 >
D	G06K 9/00798	< administrative transfer to G06V 20/588 >
D	G06K 9/00805	< administrative transfer to G06V 20/58 >

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	G06K 9/00812	< administrative transfer to G06V 20/586 >
D	G06K 9/00818	< administrative transfer to G06V 20/582 >
D	G06K 9/00825	< administrative transfer to G06V 20/584 >
D	G06K 9/00832	< administrative transfer to G06V 20/59 >
D	G06K 9/00838	< administrative transfer to G06V 20/593 >
D	G06K 9/00845	< administrative transfer to G06V 20/597 >
D	G06K 9/00852	< administrative transfer to G06V 30/226 >
D	G06K 9/00859	< administrative transfer to G06V 30/2264 >
D	G06K 9/00865	< administrative transfer to G06V 30/2268 >
D	G06K 9/00872	< administrative transfer to G06V 30/2272 >
D	G06K 9/00879	< administrative transfer to G06V 30/2276 >
D	G06K 9/00885	< administrative transfer to G06V 40/10 >
D	G06K 9/00892	< administrative transfer to G06V 40/70 >
D	G06K 9/00899	< administrative transfer to G06V 40/40 >
D	G06K 9/00906	< administrative transfer to G06V 40/45 >
D	G06K 9/00912	< administrative transfer to G06V 40/67 >
D	G06K 9/00919	< administrative transfer to G06V 40/63 >
D	G06K 9/00926	< administrative transfer to G06V 40/50 >
D	G06K 2009/00932	< administrative transfer to G06V 40/14 >
D	G06K 2009/00939	< administrative transfer to G06V 40/15 >
D	G06K 2009/00946	< administrative transfer to G06V 40/155 >
D	G06K 2009/00953	< administrative transfer to G06V 40/53 >
D	G06K 2009/00959	< administrative transfer to G06V 40/55 >
D	G06K 2009/00966	< administrative transfer to G06V 40/58 >
D	G06K 9/00973	< administrative transfer to G06V 10/94 >
D	G06K 9/00979	< administrative transfer to G06V 10/95 >
D	G06K 9/00986	< administrative transfer to G06V 10/955 >
D	G06K 9/00993	< administrative transfer to G06V 10/96 >
D	G06K 9/03	< administrative transfer to G06V 10/98 >
D	G06K 9/033	< administrative transfer to G06V 10/987 >
D	G06K 9/036	< administrative transfer to G06V 10/993 >
D	G06K 9/18	< administrative transfer to G06V 30/224 >
D	G06K 9/183	< administrative transfer to G06V 30/2247 >
D	G06K 9/186	< administrative transfer to G06V 30/2253 >
D	G06K 9/20	< administrative transfer to G06V 10/10 >
D	G06K 9/2009	< administrative transfer to G06V 10/12 >
D	G06K 9/2018	< administrative transfer to G06V 10/143 >
D	G06K 9/2027	< administrative transfer to G06V 10/141 >
D	G06K 9/2036	< administrative transfer to G06V 10/145 >
D	G06K 2009/2045	< administrative transfer to G06V 10/16 >
D	G06K 9/2054	< administrative transfer to G06V 10/22 >
D	G06K 9/2063	< administrative transfer to G06V 10/225 >
D	G06K 9/2072	< administrative transfer to G06V 10/23 >
D	G06K 9/2081	< administrative transfer to G06V 10/235 >
D	G06K 9/209	< administrative transfer to G06V 10/147 >
D	G06K 9/22	< administrative transfer to G06V 10/17 >
D	G06K 9/222	< administrative transfer to G06V 30/1423 >
D	G06K 9/224	< administrative transfer to G06V 30/228 >

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	G06K 2009/226	< administrative transfer to G06V 10/19 >
D	G06K 9/228	< administrative transfer to G06V 30/142 >
D	G06K 9/24	< administrative transfer to G06V 10/12 >
D	G06K 9/26	< administrative transfer to G06V 30/144 >
D	G06K 9/28	< administrative transfer to G06V 30/144 >
D	G06K 9/30	< administrative transfer to G06V 30/144 >
D	G06K 9/32	< administrative transfer to G06V 10/24 >
D	G06K 9/3208	< administrative transfer to G06V 10/242 >
D	G06K 9/3216	< administrative transfer to G06V 10/245 >
D	G06K 2009/3225	< administrative transfer to G06V 10/245 >
D	G06K 9/3233	< administrative transfer to G06V 10/25 >
D	G06K 9/3241	< administrative transfer to G06V 10/255 >
D	G06K 9/325	< administrative transfer to G06V 20/62 >
D	G06K 9/3258	<administrative transfer to G06V 20/63 >
D	G06K 9/3266	<administrative transfer to G06V 20/635 >
D	G06K 9/3275	< administrative transfer to G06V 10/243 >
D	G06K 9/3283	< administrative transfer to G06V 30/1478 >
D	G06K 2009/3291	< administrative transfer to G06V 10/62 >
D	G06K 9/34	< administrative transfer to G06V 10/26 >
D	G06K 9/342	< administrative transfer to G06V 10/267 >
D	G06K 9/344	<administrative transfer to G06V 30/153 >
D	G06K 9/346	< administrative transfer to G06V 10/273 >
D	G06K 9/348	<administrative transfer to G06V 30/158 >
D	G06K 9/36	<administrative transfer to G06V 10/20 >
D	G06K 2009/363	<administrative transfer to G06V 10/247 >
D	G06K 2009/366	<administrative transfer to G06V 10/248 >
D	G06K 9/38	<administrative transfer to G06V 10/28 >
D	G06K 9/40	<administrative transfer to G06V 10/30 >
D	G06K 9/42	<administrative transfer to G06V 10/32 >
D	G06K 9/44	<administrative transfer to G06V 10/34 >
D	G06K 9/46	<administrative transfer to G06V 10/40 >
D	G06K 9/4604	< administrative transfer to G06V 10/44 >
D	G06K 9/4609	< administrative transfer to G06V 10/443 >
D	G06K 9/4614	< administrative transfer to G06V 10/446 >
D	G06K 9/4619	< administrative transfer to G06V 10/449 >
D	G06K 9/4623	< administrative transfer to G06V 10/451 >
D	G06K 9/4628	< administrative transfer to G06V 10/454 >
D	G06K 9/4633	< administrative transfer to G06V 10/48 >
D	G06K 9/4638	< administrative transfer to G06V 10/457 >
D	G06K 9/4642	< administrative transfer to G06V 10/50 >
D	G06K 9/4647	< administrative transfer to G06V 10/507 >
D	G06K 9/4652	< administrative transfer to G06V 10/56 >
D	G06K 2009/4657	< administrative transfer to G06V 10/58 >
D	G06K 9/4661	< administrative transfer to G06V 10/60 >
D	G06K 2009/4666	< administrative transfer to G06V 10/467 >
D	G06K 9/4671	< administrative transfer to G06V 10/462 >
D	G06K 9/4676	< administrative transfer to G06V 10/464 >
D	G06K 9/468	< administrative transfer to G06V 10/422 >

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	G06K 9/4685	< administrative transfer to G06V 10/424 >
D	G06K 9/469	< administrative transfer to G06V 10/426 >
D	G06K 2009/4695	< administrative transfer to G06V 10/513 >
D	G06K 9/48	< administrative transfer to G06V 10/46 >
D	G06K 9/481	< administrative transfer to G06V 10/469 >
D	G06K 9/482	< administrative transfer to G06V 10/478 >
D	G06K 2009/484	< administrative transfer to G06V 10/471 >
D	G06K 2009/485	< administrative transfer to G06V 10/473 >
D	G06K 2009/487	< administrative transfer to G06V 10/476 >
D	G06K 2009/488	< administrative transfer to G06V 10/478 >
D	G06K 9/50	< administrative transfer to G06V 10/421 >
D	G06K 9/52	< administrative transfer to G06V 10/42 >
D	G06K 9/522	< administrative transfer to G06V 10/431 >
D	G06K 9/525	< administrative transfer to G06V 10/435 >
D	G06K 9/527	< administrative transfer to G06V 10/52 >
D	G06K 9/54	< administrative transfer to G06V 10/20 >
D	G06K 9/56	< administrative transfer to G06V 10/36 >
D	G06K 9/58	< administrative transfer to G06V 10/88 >
D	G06K 2009/585	< administrative transfer to G06V 10/88 >
D	G06K 9/60	< administrative transfer to G06V 10/20>
D	G06K 9/605	< administrative transfer to G06V 10/20 >
C	G06K 9/62	G06K 9/62, G06V 10/70, G06V 10/766, G06V 30/19
C	G06K 9/6201	G06K 9/6201, G06V 10/75, G06V 30/19007
D	G06K 9/6202	< administrative transfer to G06V 10/751 >
D	G06K 9/6203	< administrative transfer to G06V 10/7515>
D	G06K 9/6204	< administrative transfer to G06V 10/752 >
D	G06K 9/6205	< administrative transfer to G06V 10/753 >
D	G06K 9/6206	< administrative transfer to G06V 10/754 >
D	G06K 9/6207	< administrative transfer to G06V 10/755 >
D	G06K 9/6209	< administrative transfer to G06V 10/7553 >
D	G06K 9/621	< administrative transfer to G06V 10/7557 >
D	G06K 9/6211	< administrative transfer to G06V 10/757 >
D	G06K 9/6212	< administrative transfer to G06V 10/758 >
D	G06K 2009/6213	< administrative transfer to G06V 10/759 >
D	G06K 9/6214	< administrative transfer to G06V 10/76 >
C	G06K 9/6215	G06K 9/6215, G06V 10/761, G06V 30/19093
C	G06K 9/6217	G06K 9/6217, G06V 10/70, G06V 10/766, G06V 30/191
C	G06K 9/6218	G06K 9/6218, G06V 10/762, G06V 30/19107
C	G06K 9/6219	G06K 9/6219, G06V 10/7625, G06V 30/19107
C	G06K 9/622	G06K 9/622, G06V 10/763, G06V 30/19107
C	G06K 9/6221	G06K 9/6221, G06V 10/763, G06V 30/19107
C	G06K 9/6222	G06K 9/6222, G06V 10/763, G06V 30/19107
C	G06K 9/6223	G06K 9/6223, G06V 10/763, G06V 30/19107
C	G06K 9/6224	G06K 9/6224, G06V 10/7635, G06V 30/19107
C	G06K 9/6226	G06K 9/6226, G06V 10/763, G06V 30/19107
C	G06K 9/6227	G06K 9/6227, G06V 10/87, G06V 30/19113
C	G06K 9/6228	G06K 9/6228, G06V 10/771, G06V 30/1912
C	G06K 9/6229	G06K 9/6229, G06V 10/771, G06V 30/1912

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	G06K 9/623	G06K 9/623, G06V 10/771, G06V 30/1912
C	G06K 9/6231	G06K 9/6231, G06V 10/771, G06V 30/1912
C	G06K 9/6232	G06K 9/6232, G06V 10/7715, G06V 30/19127
C	G06K 9/6234	G06K 9/6234, G06V 10/7715, G06V 30/19127
C	G06K 9/6235	G06K 9/6235, G06V 10/7715, G06V 30/19127
C	G06K 2009/6236	G06K 2009/6236, G06V 10/7715, G06V 30/19127
C	G06K 2009/6237	G06K 2009/6237, G06V 10/7715, G06V 30/19127
C	G06K 2009/6238	G06K 2009/6238, G06V 10/7715, G06V 30/19127
C	G06K 9/6239	G06K 9/6239, G06V 10/7715, G06V 30/19127
C	G06K 9/624	G06K 9/624, G06V 10/7715, G06V 30/19127
C	G06K 9/6242	G06K 9/6242, G06V 10/7715, G06V 30/19127
C	G06K 9/6243	G06K 9/6243, G06V 10/7715, G06V 30/19127
C	G06K 9/6244	G06K 9/6244, G06V 10/7715, G06V 30/19127
C	G06K 9/6245	G06K 9/6245, G06V 10/7715, G06V 30/19127
C	G06K 9/6246	G06K 9/6246, G06V 10/7715, G06V 30/19127
C	G06K 9/6247	G06K 9/6247, G06V 10/7715, G06V 30/19127
C	G06K 9/6248	G06K 9/6248, G06V 10/7715, G06V 30/19127
C	G06K 9/6249	G06K 9/6249, G06V 10/7715, G06V 30/19127
C	G06K 9/6251	G06K 9/6251, G06V 10/7715, G06V 30/19127
C	G06K 9/6252	G06K 9/6252, G06V 10/7715, G06V 30/19127
C	G06K 9/6253	G06K 9/6253, G06V 10/945
C	G06K 9/6254	G06K 9/6254, G06V 10/7788, G06V 30/19133
C	G06K 9/6255	G06K 9/6255, G06V 10/772, G06V 30/1914
C	G06K 9/6256	G06K 9/6256, G06V 10/774, G06V 30/19147
C	G06K 9/6257	G06K 9/6257, G06V 10/7747, G06V 30/19147
C	G06K 9/6259	G06K 9/6259, G06V 10/7753, G06V 30/19147
C	G06K 9/626	G06K 9/626, G06V 10/765, G06V 30/19153
C	G06K 9/6261	G06K 9/6261, G06V 10/765, G06V 30/19153
C	G06K 9/6262	G06K 9/6262, G06V 10/776, G06V 10/778, G06V 30/1916, G06V 30/19167, G06V 30/302
C	G06K 9/6263	G06K 9/6263, G06V 10/7784, G06V 30/19167
C	G06K 9/6264	G06K 9/6264, G06V 10/7788, G06V 30/19167
C	G06K 9/6265	G06K 9/6265, G06V 10/7796, G06V 30/19167
C	G06K 9/6267	G06K 9/6267, G06V 10/764, G06V 30/19173
C	G06K 9/6268	G06K 9/6268, G06V 10/764, G06V 30/19173
C	G06K 9/6269	G06K 9/6269, G06V 10/764, G06V 30/19173
C	G06K 9/627	G06K 9/627, G06V 10/764, G06V 30/19173
C	G06K 9/6271	G06K 9/6271, G06V 10/764, G06V 30/19173
C	G06K 9/6272	G06K 9/6272, G06V 10/764, G06V 30/19173
C	G06K 9/6273	G06K 9/6273, G06V 10/764, G06V 30/19173
C	G06K 9/6274	G06K 9/6274, G06V 10/764, G06V 30/19173
C	G06K 9/6276	G06K 9/6276, G06V 10/764, G06V 30/19173
C	G06K 9/6277	G06K 9/6277, G06V 10/764, G06V 30/19173
C	G06K 9/6278	G06K 9/6278, G06V 10/764, G06V 30/19173
C	G06K 9/6279	G06K 9/6279, G06V 10/764, G06V 30/19173
C	G06K 9/628	G06K 9/628, G06V 10/764, G06V 30/19173
C	G06K 9/6281	G06K 9/6281, G06V 10/764, G06V 30/19173
C	G06K 9/6282	G06K 9/6282, G06V 10/764, G06V 30/19173

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	G06K 9/6284	G06K 9/6284, G06V 10/764, G06V 30/19173
C	G06K 9/6285	G06K 9/6285, G06V 10/764, G06V 30/19173
C	G06K 9/6286	G06K 9/6286, G06V 10/764, G06V 30/19173
C	G06K 9/6287	G06K 9/6287, G06V 10/764, G06V 30/19173
C	G06K 9/6288	G06K 9/6288, G06V 10/80, G06V 30/1918
C	G06K 9/6289	G06K 9/6289, G06V 10/803, G06V 30/1918
C	G06K 9/629	G06K 9/629, G06V 10/806, G06V 30/1918
C	G06K 9/6292	G06K 9/6292, G06V 10/809, G06V 30/1918
C	G06K 9/6293	G06K 9/6293, G06V 10/811, G06V 30/1918
C	G06K 2009/6294	G06K 2009/6294, G06V 10/814, G06V 30/1918
C	G06K 2009/6295	G06K 2009/6295, G06V 10/817, G06V 30/1918
C	G06K 9/6296	G06K 9/6296, G06V 10/84, G06V 30/19187
C	G06K 9/6297	G06K 9/6297, G06V 10/85, G06V 30/19187
C	G06K 9/6298	G06K 9/6298, G06V 10/72, G06V 30/19193
D	G06K 9/64	< administrative transfer to G06V 10/75 >
D	G06K 9/645	< administrative transfer to G06V 30/195 >
D	G06K 9/66	< administrative transfer to G06V 30/194 >
D	G06K 9/68	< administrative transfer to G06V 10/75 >
D	G06K 9/6807	< administrative transfer to G06V 30/242 >
D	G06K 9/6814	< administrative transfer to G06V 30/244 >
D	G06K 9/6821	< administrative transfer to G06V 30/2445 >
D	G06K 9/6828	< administrative transfer to G06V 30/245 >
D	G06K 9/6835	< administrative transfer to G06V 30/2455 >
D	G06K 9/6842	< administrative transfer to G06V 30/246 >
D	G06K 9/685	< administrative transfer to G06V 30/248 >
D	G06K 9/6857	< administrative transfer to G06V 30/2504 >
D	G06K 2009/6864	< administrative transfer to G06V 30/2528 >
D	G06K 2009/6871	< administrative transfer to G06V 30/2552 >
D	G06K 9/6878	< administrative transfer to G06V 30/1983 >
D	G06K 9/6885	< administrative transfer to G06V 30/1985 >
D	G06K 9/6892	< administrative transfer to G06V 30/1988 >
D	G06K 9/70	< administrative transfer to G06V 10/75>
D	G06K 9/72	< administrative transfer to G06V 10/768 >
D	G06K 9/723	< administrative transfer to G06V 30/268 >
D	G06K 9/726	< administrative transfer to G06V 30/274 >
D	G06K 9/74	< administrative transfer to G06V 10/88 >
D	G06K 9/741	< administrative transfer to G06V 10/89 >
D	G06K 9/743	< administrative transfer to G06V 10/893 >
D	G06K 9/745	< administrative transfer to G06V 10/895>
D	G06K 9/746	< administrative transfer to G06V 10/898 >
D	G06K 9/748	< administrative transfer to G06V 10/92 >
D	G06K 9/76	< administrative transfer to G06V 10/88 >
D	G06K 9/78	< administrative transfer to G06V 10/10 >
D	G06K 9/80	< administrative transfer to G06V 10/20 >
D	G06K 9/82	< administrative transfer to G06V 10/88 >
D	G06K 2209/00	< administrative transfer to G06V 2201/00 >
D	G06K 2209/01	< administrative transfer to G06V 30/10 >
D	G06K 2209/011	< administrative transfer to G06V 30/287 >

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	G06K 2209/013	< administrative transfer to G06V 30/293 >
D	G06K 2209/015	< administrative transfer to G06V 2201/01 >
D	G06K 2209/03	< administrative transfer to G06V 2201/02 >
D	G06K 2209/05	< administrative transfer to G06V 2201/03 >
D	G06K 2209/051	< administrative transfer to G06V 2201/031 >
D	G06K 2209/053	< administrative transfer to G06V 2201/032 >
D	G06K 2209/055	< administrative transfer to G06V 2201/033 >
D	G06K 2209/057	< administrative transfer to G06V 2201/034 >
D	G06K 2209/07	< administrative transfer to G06V 2201/04 >
D	G06K 2209/09	< administrative transfer to G06V 2201/05 >
D	G06K 2209/15	< administrative transfer to G06V 20/625 >
D	G06K 2209/17	< administrative transfer to G06V 20/68 >
D	G06K 2209/19	< administrative transfer to G06V 2201/06 >
D	G06K 2209/21	< administrative transfer to G06V 2201/07 >
D	G06K 2209/23	< administrative transfer to G06V 2201/08 >
D	G06K 2209/25	< administrative transfer to G06V 2201/09 >
D	G06K 2209/27	< administrative transfer to G06V 2201/10 >
D	G06K 2209/29	< administrative transfer to G06V 2201/11 >
D	G06K 2209/40	< administrative transfer to G06V 2201/12 >
D	G06K 2209/401	< administrative transfer to G06V 2201/121 >
D	G06K 2209/403	< administrative transfer to G06V 2201/122 >
D	G06K 2209/50	< administrative transfer to G06V 2201/13 >
D	G06K 2209/501	< administrative transfer to G06V 2201/131 >
D	G06K 2209/502	< administrative transfer to G06V 2201/132 >
D	G06K 2209/503	< administrative transfer to G06V 2201/133 >
D	G06K 2209/504	< administrative transfer to G06V 2201/134 >
D	G06K 2209/505	< administrative transfer to G06V 2201/135 >
D	G06K 2209/506	< administrative transfer to G06V 2201/136 >
Q	G06V 10/10	G06V 10/00, G06V 10/10, G06V 10/70, G06V 10/72, G06V 10/74, G06V 10/75, G06V 10/751, G06V 10/7515, G06V 10/752, G06V 10/753, G06V 10/754, G06V 10/755, G06V 10/7553, G06V 10/7557, G06V 10/757, G06V 10/758, G06V 10/759, G06V 10/76, G06V 10/761, G06V 10/762, G06V 10/7625, G06V 10/763, G06V 10/7635, G06V 10/764, G06V 10/765, G06V 10/766, G06V 10/768, G06V 10/77, G06V 10/771, G06V 10/7715, G06V 10/772, G06V 10/774, G06V 10/7747, G06V 10/7753, G06V 10/776, G06V 10/778, G06V 10/7784, G06V 10/7788, G06V 10/7792, G06V 10/7796, G06V 10/80, G06V 10/803, G06V 10/806, G06V 10/809, G06V 10/811, G06V 10/814, G06V 10/817, G06V 10/82, G06V 10/84, G06V 10/85, G06V 10/86, G06V 10/87, G06V 10/88, G06V 10/89, G06V 10/893, G06V 10/895, G06V 10/898, G06V 10/92, G06V 30/14, G06V 30/141, G06V 30/142, G06V 30/1423, G06V 30/1426, G06V 30/1429, G06V 30/1431, G06V 30/1434, G06V 30/1437, G06V 30/144, G06V 30/1444, G06V 30/1448, G06V 30/1452, G06V 30/1456, G06V 30/146, G06V 30/1463, G06V 30/1465, G06V 30/1468, G06V 30/147, G06V 30/1473, G06V 30/1475, G06V 30/1478, G06V 30/148, G06V 30/15, G06V 30/153, G06V 30/155, G06V 30/158, G06V 30/199, G06V 30/20
Q	G06V 10/12	G06V 10/12, G06V 10/14, G06V 30/142
Q	G06V 10/141	G06V 10/141, G06V 30/1431
Q	G06V 10/143	G06V 10/143, G06V 30/1429
Q	G06V 10/145	G06V 10/145, G06V 30/1434

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
Q	G06V 10/147	G06V 10/147, G06V 30/1429, G06V 30/1437
Q	G06V 10/16	G06V 10/16, G06V 30/141
Q	G06V 10/17	G06V 10/17, G06V 30/142
Q	G06V 10/19	G06V 10/19, G06V 30/1426
Q	G06V 10/20	G06V 10/00, G06V 10/20, G06V 10/70, G06V 10/72, G06V 10/74, G06V 10/75, G06V 10/751, G06V 10/7515, G06V 10/752, G06V 10/753, G06V 10/754, G06V 10/755, G06V 10/7553, G06V 10/7557, G06V 10/757, G06V 10/758, G06V 10/759, G06V 10/76, G06V 10/761, G06V 10/762, G06V 10/7625, G06V 10/763, G06V 10/7635, G06V 10/764, G06V 10/765, G06V 10/766, G06V 10/768, G06V 10/77, G06V 10/771, G06V 10/7715, G06V 10/772, G06V 10/774, G06V 10/7747, G06V 10/7753, G06V 10/776, G06V 10/778, G06V 10/7784, G06V 10/7788, G06V 10/7792, G06V 10/7796, G06V 10/80, G06V 10/803, G06V 10/806, G06V 10/809, G06V 10/811, G06V 10/814, G06V 10/817, G06V 10/82, G06V 10/84, G06V 10/85, G06V 10/86, G06V 10/87, G06V 10/88, G06V 10/89, G06V 10/893, G06V 10/895, G06V 10/898, G06V 10/92, G06V 30/16, G06V 30/1607, G06V 30/1613, G06V 30/162, G06V 30/164, G06V 30/166, G06V 30/168, G06V 30/199, G06V 30/20
Q	G06V 10/22	G06V 10/22, G06V 30/1444
Q	G06V 10/225	G06V 10/225, G06V 30/1448
Q	G06V 10/23	G06V 10/23, G06V 30/1452
Q	G06V 10/235	G06V 10/235, G06V 30/1456
Q	G06V 10/24	G06V 10/24, G06V 30/146
Q	G06V 10/242	G06V 10/242, G06V 30/1463
Q	G06V 10/243	G06V 10/243, G06V 30/1475
Q	G06V 10/245	G06V 10/245, G06V 30/1448, G06V 30/1465, G06V 30/1468, G06V 30/1475, G06V 30/1478
Q	G06V 10/247	G06V 10/247, G06V 30/1607
Q	G06V 10/248	G06V 10/248, G06V 30/1613
Q	G06V 10/25	G06V 10/25, G06V 30/147
Q	G06V 10/255	G06V 10/255, G06V 30/1473
Q	G06V 10/26	G06V 10/26, G06V 30/148
Q	G06V 10/267	G06V 10/267, G06V 30/15
Q	G06V 10/273	G06V 10/273, G06V 30/155
Q	G06V 10/28	G06V 10/28, G06V 30/162
Q	G06V 10/30	G06V 10/30, G06V 30/164
Q	G06V 10/32	G06V 10/32, G06V 30/166
Q	G06V 10/34	G06V 10/34, G06V 30/168
Q	G06V 10/36	G06V 10/36, G06V 30/20
Q	G06V 10/40	G06V 10/40, G06V10/54, G06V 30/18
Q	G06V 10/42	G06V 10/42, G06V 30/186
Q	G06V 10/421	G06V 10/421, G06V 30/184
Q	G06V 10/422	G06V 10/422, G06V 30/18162
Q	G06V 10/424	G06V 10/424, G06V 30/18171
Q	G06V 10/426	G06V 10/426, G06V 30/18181
Q	G06V 10/431	G06V 10/431, G06V 30/187
Q	G06V 10/435	G06V 10/435, G06V 30/188
Q	G06V 10/44	G06V 10/44, G06V 30/1801, G06V 30/182, G06V 30/1823, G06V 30/1826, G06V 30/1829, G06V 30/1831, G06V 30/1834, G06V 30/1837
Q	G06V 10/443	G06V 10/443, G06V 30/18019

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
Q	G06V 10/446	G06V 10/446, G06V 30/18029
Q	G06V 10/449	G06V 10/449, G06V 30/18038
Q	G06V 10/451	G06V 10/451, G06V 30/18048
Q	G06V 10/454	G06V 10/454, G06V 30/18057
Q	G06V 10/457	G06V 10/457, G06V 30/18076
Q	G06V 10/46	G06V 10/46, G06V 30/182
Q	G06V 10/462	G06V 10/462, G06V 30/18143
Q	G06V 10/464	G06V 10/464, G06V 30/18152
Q	G06V 10/467	G06V 10/467, G06V 30/18133
Q	G06V 10/469	G06V 10/469, G06V 30/1823
Q	G06V 10/471	G06V 10/471, G06V 30/1829
Q	G06V 10/473	G06V 10/473, G06V 30/1831
Q	G06V 10/476	G06V 10/476, G06V 30/1834
Q	G06V 10/478	G06V 10/478, G06V 30/1826, G06V 30/1837
Q	G06V 10/48	G06V 10/48, G06V 30/18067
Q	G06V 10/50	G06V 10/50, G06V 30/18086
Q	G06V 10/507	G06V 10/507, G06V 30/18095
Q	G06V 10/513	G06V 10/513, G06V 30/1819
Q	G06V 10/52	G06V 10/52, G06V 30/189
Q	G06V 10/56	G06V 10/56, G06V 30/18105
Q	G06V 10/58	G06V 10/58, G06V 30/18114
Q	G06V 10/60	G06V 10/60, G06V 30/18124
Q	G06V 10/75	G06V 10/75, G06V 30/19007, G06V 30/192, G06V 30/196, G06V 30/198
Q	G06V 10/751	G06V 10/751, G06V 30/19013
Q	G06V 10/7515	G06V 10/7515, G06V 30/1902
Q	G06V 10/752	G06V 10/752, G06V 30/19027
Q	G06V 10/753	G06V 10/753, G06V 30/19033
Q	G06V 10/754	G06V 10/754, G06V 30/1904
Q	G06V 10/755	G06V 10/755, G06V 30/19047
Q	G06V 10/7553	G06V 10/7553, G06V 30/19053
Q	G06V 10/7557	G06V 10/7557, G06V 30/1906
Q	G06V 10/757	G06V 10/757, G06V 30/19067
Q	G06V 10/758	G06V 10/758, G06V 30/19073
Q	G06V 10/759	G06V 10/759, G06V 30/1908
Q	G06V 10/76	G06V 10/76, G06V 30/19087
Q	G06V 10/768	G06V 10/768, G06V 30/262
Q	G06V 10/88	G06V 10/88, G06V 30/199, G06V 30/20
Q	G06V 10/89	G06V 10/89, G06V 30/199
Q	G06V 10/893	G06V 10/893, G06V 30/199
Q	G06V 10/895	G06V 10/895, G06V 30/199
Q	G06V 10/898	G06V 10/898, G06V 30/199
Q	G06V 10/92	G06V 10/92, G06V 30/199
Q	G06V 10/98	G06V 10/98, G06V 30/12
Q	G06V 10/987	G06V 10/987, G06V 30/127
Q	G06V 10/993	G06V 10/993, G06V 30/133
Q	G06V 20/00	G06V 20/00, G06V 20/05, G06V 20/50, G06V 20/60, G06V 20/66, G06V 20/69, G06V 20/693, G06V 20/695, G06V 20/698, G06V 20/70
Q	G06V 20/13	G06V 20/13, G06V 20/17

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
Q	G06V 30/10	G06V 30/10, G06V 30/12, G06V 30/127, G06V 30/133, G06V 30/14, G06V 30/141, G06V 30/142, G06V 30/1423, G06V 30/1426, G06V 30/1429, G06V 30/1431, G06V 30/1434, G06V 30/1437, G06V 30/144, G06V 30/1444, G06V 30/1448, G06V 30/1452, G06V 30/1456, G06V 30/146, G06V 30/1463, G06V 30/1465, G06V 30/1468, G06V 30/147, G06V 30/1473, G06V 30/1475, G06V 30/1478, G06V 30/148, G06V 30/15, G06V 30/153, G06V 30/155, G06V 30/158, G06V 30/16, G06V 30/1607, G06V 30/1613, G06V 30/162, G06V 30/164, G06V 30/166, G06V 30/168, G06V 30/18, G06V 30/1801, G06V 30/18019, G06V 30/18029, G06V 30/18038, G06V 30/18048, G06V 30/18057, G06V 30/18067, G06V 30/18076, G06V 30/18086, G06V 30/18095, G06V 30/18105, G06V 30/18114, G06V 30/18124, G06V 30/18133, G06V 30/18143, G06V 30/18152, G06V 30/18162, G06V 30/18171, G06V 30/18181, G06V 30/1819, G06V 30/182, G06V 30/1823, G06V 30/1826, G06V 30/1829, G06V 30/1831, G06V 30/1834, G06V 30/1837, G06V 30/184, G06V 30/186, G06V 30/187, G06V 30/188, G06V 30/189, G06V 30/19, G06V 30/19007, G06V 30/19013, G06V 30/1902, G06V 30/19027, G06V 30/19033, G06V 30/1904, G06V 30/19047, G06V 30/19053, G06V 30/1906, G06V 30/19067, G06V 30/19073, G06V 30/1908, G06V 30/19087, G06V 30/19093, G06V 30/191, G06V 30/19107, G06V 30/19113, G06V 30/1912, G06V 30/19127, G06V 30/19133, G06V 30/1914, G06V 30/19147, G06V 30/19153, G06V 30/1916, G06V 30/19167, G06V 30/19173, G06V 30/1918, G06V 30/19187, G06V 30/19193, G06V 30/192, G06V 30/194, G06V 30/195, G06V 30/196, G06V 30/198, G06V 30/1983, G06V 30/1985, G06V 30/1988, G06V 30/199, G06V 30/20, G06V 30/22, G06V 30/222, G06V 30/224, G06V 30/2247, G06V 30/2253, G06V 30/226, G06V 30/2264, G06V 30/2268, G06V 30/2272, G06V 30/2276, G06V 30/228, G06V 30/24, G06V 30/242, G06V 30/244, G06V 30/2445, G06V 30/245, G06V 30/2455, G06V 30/246, G06V 30/248, G06V 30/2504, G06V 30/2528, G06V 30/2552, G06V 30/26, G06V 30/262, G06V 30/268, G06V 30/274, G06V 30/28, G06V 30/287, G06V 30/293, G06V 30/30, G06V 30/302, G06V 30/304, G06V 30/32, G06V 30/333, G06V 30/347, G06V 30/36, G06V 30/373, G06V 30/387
Q	G06V 30/194	G06V 10/70, G06V 10/766, G06V 30/194
Q	G06V 30/40	G06V 30/224, G06V 30/2247, G06V 30/2253, G06V 30/40, G06V 30/41
Q	G06V 40/13	G06V 40/13, G06V 40/145

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:
- <u>Only</u> C, D, F and Q type entries are included in the table above.
- When multiple symbols are included in the "To" column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: "< administrative transfer to XX>", "<administrative transfer to XX and YY simultaneously>", or "<administrative transfer to XX, YY ...and ZZ simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be "additional information".

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- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations "ADD" or "INV": <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the "D" entries of 2000-series or Y-series groups may not require a destination ("To") symbol, however it is required to specify "<no transfer>" in the "To" column for such cases.
- RCL is not needed for finalisation projects.

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4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

CPC	IPC	Action*
G06K 9/00006		DELETE
G06K 9/00013		DELETE
G06K 9/0002		DELETE
G06K 9/00026		DELETE
G06K 9/00033		DELETE
G06K 9/0004		DELETE
G06K 9/00046		DELETE
G06K 9/00053		DELETE
G06K 2009/0006		DELETE
G06K 9/00067		DELETE
G06K 9/00073		DELETE
G06K 9/0008		DELETE
G06K 9/00087		DELETE
G06K 9/00093		DELETE
G06K 9/001		DELETE
G06K 9/00107		DELETE
G06K 9/00114		DELETE
G06K 9/0012		DELETE
G06K 9/00127		DELETE
G06K 9/00134		DELETE
G06K 9/0014		DELETE
G06K 9/00147		DELETE
G06K 9/00154		DELETE
G06K 9/00161		DELETE
G06K 9/00167		DELETE
G06K 9/00174		DELETE
G06K 9/00181		DELETE
G06K 9/00187		DELETE
G06K 9/00194		DELETE
G06K 9/00201		DELETE
G06K 9/00208		DELETE
G06K 9/00214		DELETE
G06K 9/00221		DELETE
G06K 9/00228		DELETE
G06K 9/00234		DELETE
G06K 9/00241		DELETE
G06K 9/00248		DELETE
G06K 9/00255		DELETE
G06K 9/00261		DELETE
G06K 9/00268		DELETE

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CPC	IPC	Action*
G06K 9/00275		DELETE
G06K 9/00281		DELETE
G06K 9/00288		DELETE
G06K 9/00295		DELETE
G06K 9/00302		DELETE
G06K 9/00308		DELETE
G06K 9/00315		DELETE
G06K 2009/00322		DELETE
G06K 2009/00328		DELETE
G06K 9/00335		DELETE
G06K 9/00342		DELETE
G06K 9/00348		DELETE
G06K 9/00355		DELETE
G06K 9/00362		DELETE
G06K 9/00369		DELETE
G06K 9/00375		DELETE
G06K 9/00382		DELETE
G06K 9/00389		DELETE
G06K 2009/00395		DELETE
G06K 9/00402		DELETE
G06K 9/00409		DELETE
G06K 9/00416		DELETE
G06K 9/00422		DELETE
G06K 9/00429		DELETE
G06K 9/00436		DELETE
G06K 9/00442		DELETE
G06K 9/00449		DELETE
G06K 9/00456		DELETE
G06K 9/00463		DELETE
G06K 9/00469		DELETE
G06K 9/00476		DELETE
G06K 9/00483		DELETE
G06K 2009/00489		DELETE
G06K 9/00577		DELETE
G06K 2009/00583		DELETE
G06K 2009/0059		DELETE
G06K 9/00597		DELETE
G06K 9/00604		DELETE
G06K 9/0061		DELETE
G06K 9/00617		DELETE
G06K 9/00624		DELETE
G06K 9/0063		DELETE
G06K 9/00637		DELETE
G06K 2009/00644		DELETE

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CPC	IPC	Action*
G06K 9/00651		DELETE
G06K 9/00657		DELETE
G06K 9/00664		DELETE
G06K 9/00671		DELETE
G06K 9/00677		DELETE
G06K 9/00684		DELETE
G06K 9/00691		DELETE
G06K 9/00697		DELETE
G06K 9/00704		DELETE
G06K 9/00711		DELETE
G06K 9/00718		DELETE
G06K 9/00724		DELETE
G06K 9/00731		DELETE
G06K 2009/00738		DELETE
G06K 9/00744		DELETE
G06K 9/00751		DELETE
G06K 9/00758		DELETE
G06K 9/00765		DELETE
G06K 9/00771		DELETE
G06K 9/00778		DELETE
G06K 9/00785		DELETE
G06K 9/00791		DELETE
G06K 9/00798		DELETE
G06K 9/00805		DELETE
G06K 9/00812		DELETE
G06K 9/00818		DELETE
G06K 9/00825		DELETE
G06K 9/00832		DELETE
G06K 9/00838		DELETE
G06K 9/00845		DELETE
G06K 9/00852		DELETE
G06K 9/00859		DELETE
G06K 9/00865		DELETE
G06K 9/00872		DELETE
G06K 9/00879		DELETE
G06K 9/00885		DELETE
G06K 9/00892		DELETE
G06K 9/00899		DELETE
G06K 9/00906		DELETE
G06K 9/00912		DELETE
G06K 9/00919		DELETE
G06K 9/00926		DELETE
G06K 2009/00932		DELETE
G06K 2009/00939		DELETE

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CPC	IPC	Action*
G06K 2009/00946		DELETE
G06K 2009/00953		DELETE
G06K 2009/00959		DELETE
G06K 2009/00966		DELETE
G06K 9/00973		DELETE
G06K 9/00979		DELETE
G06K 9/00986		DELETE
G06K 9/00993		DELETE
G06K 9/03		DELETE
G06K 9/033		DELETE
G06K 9/036		DELETE
G06K 9/18		DELETE
G06K 9/183		DELETE
G06K 9/186		DELETE
G06K 9/20		DELETE
G06K 9/2009		DELETE
G06K 9/2018		DELETE
G06K 9/2027		DELETE
G06K 9/2036		DELETE
G06K 2009/2045		DELETE
G06K 9/2054		DELETE
G06K 9/2063		DELETE
G06K 9/2072		DELETE
G06K 9/2081		DELETE
G06K 9/209		DELETE
G06K 9/22		DELETE
G06K 9/222		DELETE
G06K 9/224		DELETE
G06K 2009/226		DELETE
G06K 9/228		DELETE
G06K 9/24		DELETE
G06K 9/26		DELETE
G06K 9/28		DELETE
G06K 9/30		DELETE
G06K 9/32		DELETE
G06K 9/3208		DELETE
G06K 9/3216		DELETE
G06K 2009/3225		DELETE
G06K 9/3233		DELETE
G06K 9/3241		DELETE
G06K 9/325		DELETE
G06K 9/3258		DELETE
G06K 9/3266		DELETE
G06K 9/3275		DELETE

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CPC	IPC	Action*
G06K 9/3283		DELETE
G06K 2009/3291		DELETE
G06K 9/34		DELETE
G06K 9/342		DELETE
G06K 9/344		DELETE
G06K 9/346		DELETE
G06K 9/348		DELETE
G06K 9/36		DELETE
G06K 2009/363		DELETE
G06K 2009/366		DELETE
G06K 9/38		DELETE
G06K 9/40		DELETE
G06K 9/42		DELETE
G06K 9/44		DELETE
G06K 9/46		DELETE
G06K 9/4604		DELETE
G06K 9/4609		DELETE
G06K 9/4614		DELETE
G06K 9/4619		DELETE
G06K 9/4623		DELETE
G06K 9/4628		DELETE
G06K 9/4633		DELETE
G06K 9/4638		DELETE
G06K 9/4642		DELETE
G06K 9/4647		DELETE
G06K 9/4652		DELETE
G06K 2009/4657		DELETE
G06K 9/4661		DELETE
G06K 2009/4666		DELETE
G06K 9/4671		DELETE
G06K 9/4676		DELETE
G06K 9/468		DELETE
G06K 9/4685		DELETE
G06K 9/469		DELETE
G06K 2009/4695		DELETE
G06K 9/48		DELETE
G06K 9/481		DELETE
G06K 9/482		DELETE
G06K 2009/484		DELETE
G06K 2009/485		DELETE
G06K 2009/487		DELETE
G06K 2009/488		DELETE
G06K 9/50		DELETE
G06K 9/52		DELETE

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CPC	IPC	Action*
G06K 9/522		DELETE
G06K 9/525		DELETE
G06K 9/527		DELETE
G06K 9/54		DELETE
G06K 9/56		DELETE
G06K 9/58		DELETE
G06K 2009/585		DELETE
G06K 9/60		DELETE
G06K 9/605		DELETE
G06K 9/6202		DELETE
G06K 9/6203		DELETE
G06K 9/6204		DELETE
G06K 9/6205		DELETE
G06K 9/6206		DELETE
G06K 9/6207		DELETE
G06K 9/6209		DELETE
G06K 9/621		DELETE
G06K 9/6211		DELETE
G06K 9/6212		DELETE
G06K 2009/6213		DELETE
G06K 9/6214		DELETE
G06K 9/64		DELETE
G06K 9/645		DELETE
G06K 9/66		DELETE
G06K 9/68		DELETE
G06K 9/6807		DELETE
G06K 9/6814		DELETE
G06K 9/6821		DELETE
G06K 9/6828		DELETE
G06K 9/6835		DELETE
G06K 9/6842		DELETE
G06K 9/685		DELETE
G06K 9/6857		DELETE
G06K 2009/6864		DELETE
G06K 2009/6871		DELETE
G06K 9/6878		DELETE
G06K 9/6885		DELETE
G06K 9/6892		DELETE
G06K 9/70		DELETE
G06K 9/72		DELETE
G06K 9/723		DELETE
G06K 9/726		DELETE
G06K 9/74		DELETE
G06K 9/741		DELETE

CPC	IPC	Action*
G06K 9/743		DELETE
G06K 9/745		DELETE
G06K 9/746		DELETE
G06K 9/748		DELETE
G06K 9/76		DELETE
G06K 9/78		DELETE
G06K 9/80		DELETE
G06K 9/82		DELETE
G06K 2209/00		DELETE
G06K 2209/01		DELETE
G06K 2209/011		DELETE
G06K 2209/013		DELETE
G06K 2209/015		DELETE
G06K 2209/03		DELETE
G06K 2209/05		DELETE
G06K 2209/051		DELETE
G06K 2209/053		DELETE
G06K 2209/055		DELETE
G06K 2209/057		DELETE
G06K 2209/07		DELETE
G06K 2209/09		DELETE
G06K 2209/15		DELETE
G06K 2209/17		DELETE
G06K 2209/19		DELETE
G06K 2209/21		DELETE
G06K 2209/23		DELETE
G06K 2209/25		DELETE
G06K 2209/27		DELETE
G06K 2209/29		DELETE
G06K 2209/40		DELETE
G06K 2209/401		DELETE
G06K 2209/403		DELETE
G06K 2209/50		DELETE
G06K 2209/501		DELETE
G06K 2209/502		DELETE
G06K 2209/503		DELETE
G06K 2209/504		DELETE
G06K 2209/505		DELETE
G06K 2209/506		DELETE
G06V 10/00	G06V 10/00	NEW
G06V 10/10	G06V 10/10	NEW
G06V 10/12	G06V 10/12	NEW
G06V 10/14	G06V 10/14	NEW
G06V 10/141	G06V 10/141	NEW

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CPC	IPC	Action*
G06V 10/143	G06V 10/143	NEW
G06V 10/145	G06V 10/145	NEW
G06V 10/147	G06V 10/147	NEW
G06V 10/16	G06V 10/10	NEW
G06V 10/17	G06V 10/10	NEW
G06V 10/19	G06V 10/10	NEW
G06V 10/20	G06V 10/20	NEW
G06V 10/22	G06V 10/22	NEW
G06V 10/225	G06V 10/22	NEW
G06V 10/23	G06V 10/22	NEW
G06V 10/235	G06V 10/22	NEW
G06V 10/24	G06V 10/24	NEW
G06V 10/242	G06V 10/24	NEW
G06V 10/243	G06V 10/24	NEW
G06V 10/245	G06V 10/24	NEW
G06V 10/247	G06V 10/24	NEW
G06V 10/248	G06V 10/24	NEW
G06V 10/25	G06V 10/25	NEW
G06V 10/255	G06V 10/20	NEW
G06V 10/26	G06V 10/26	NEW
G06V 10/267	G06V 10/26	NEW
G06V 10/273	G06V 10/26	NEW
G06V 10/28	G06V 10/28	NEW
G06V 10/30	G06V 10/30	NEW
G06V 10/32	G06V 10/32	NEW
G06V 10/34	G06V 10/34	NEW
G06V 10/36	G06V 10/36	NEW
G06V 10/40	G06V 10/40	NEW
G06V 10/42	G06V 10/42	NEW
G06V 10/421	G06V 10/42	NEW
G06V 10/422	G06V 10/422	NEW
G06V 10/424	G06V 10/424	NEW
G06V 10/426	G06V 10/426	NEW
G06V 10/431	G06V 10/42	NEW
G06V 10/435	G06V 10/42	NEW
G06V 10/44	G06V 10/44	NEW
G06V 10/443	G06V 10/44	NEW
G06V 10/446	G06V 10/44	NEW
G06V 10/449	G06V 10/44	NEW
G06V 10/451	G06V 10/44	NEW
G06V 10/454	G06V 10/44	NEW
G06V 10/457	G06V 10/44	NEW
G06V 10/46	G06V 10/46	NEW
G06V 10/462	G06V 10/46	NEW

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CPC	IPC	Action*
G06V 10/464	G06V 10/46	NEW
G06V 10/467	G06V 10/46	NEW
G06V 10/469	G06V 10/46	NEW
G06V 10/471	G06V 10/46	NEW
G06V 10/473	G06V 10/46	NEW
G06V 10/476	G06V 10/46	NEW
G06V 10/478	G06V 10/46	NEW
G06V 10/48	G06V 10/48	NEW
G06V 10/50	G06V 10/50	NEW
G06V 10/507	G06V 10/50	NEW
G06V 10/513	G06V 10/40	NEW
G06V 10/52	G06V 10/52	NEW
G06V 10/54	G06V 10/54	NEW
G06V 10/56	G06V 10/56	NEW
G06V 10/58	G06V 10/58	NEW
G06V 10/60	G06V 10/60	NEW
G06V 10/62	G06V 10/62	NEW
G06V 10/70	G06V 10/70	NEW
G06V 10/72	G06V 10/72	NEW
G06V 10/74	G06V 10/74	NEW
G06V 10/75	G06V 10/75	NEW
G06V 10/751	G06V 10/75	NEW
G06V 10/7515	G06V 10/75	NEW
G06V 10/752	G06V 10/75	NEW
G06V 10/753	G06V 10/75	NEW
G06V 10/754	G06V 10/75	NEW
G06V 10/755	G06V 10/75	NEW
G06V 10/7553	G06V 10/75	NEW
G06V 10/7557	G06V 10/75	NEW
G06V 10/757	G06V 10/75	NEW
G06V 10/758	G06V 10/75	NEW
G06V 10/759	G06V 10/75	NEW
G06V 10/76	G06V 10/75	NEW
G06V 10/761	G06V 10/74	NEW
G06V 10/762	G06V 10/762	NEW
G06V 10/7625	G06V 10/762	NEW
G06V 10/763	G06V 10/762	NEW
G06V 10/7635	G06V 10/762	NEW
G06V 10/764	G06V 10/764	NEW
G06V 10/765	G06V 10/764	NEW
G06V 10/766	G06V 10/766	NEW
G06V 10/768	G06V 10/70	NEW
G06V 10/77	G06V 10/77	NEW
G06V 10/771	G06V 10/771	NEW

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CPC	IPC	Action*
G06V 10/7715	G06V 10/77	NEW
G06V 10/772	G06V 10/772	NEW
G06V 10/774	G06V 10/774	NEW
G06V 10/7747	G06V 10/774	NEW
G06V 10/7753	G06V 10/774	NEW
G06V 10/776	G06V 10/776	NEW
G06V 10/778	G06V 10/778	NEW
G06V 10/7784	G06V 10/778	NEW
G06V 10/7788	G06V 10/778	NEW
G06V 10/7792	G06V 10/778	NEW
G06V 10/7796	G06V 10/778	NEW
G06V 10/80	G06V 10/80	NEW
G06V 10/803	G06V 10/80	NEW
G06V 10/806	G06V 10/80	NEW
G06V 10/809	G06V 10/80	NEW
G06V 10/811	G06V 10/80	NEW
G06V 10/814	G06V 10/80	NEW
G06V 10/817	G06V 10/80	NEW
G06V 10/82	G06V 10/82	NEW
G06V 10/84	G06V 10/84	NEW
G06V 10/85	G06V 10/84	NEW
G06V 10/86	G06V 10/86	NEW
G06V 10/87	G06V 10/70	NEW
G06V 10/88	G06V 10/88	NEW
G06V 10/89	G06V 10/88	NEW
G06V 10/893	G06V 10/88	NEW
G06V 10/895	G06V 10/88	NEW
G06V 10/898	G06V 10/88	NEW
G06V 10/92	G06V 10/88	NEW
G06V 10/94	G06V 10/94	NEW
G06V 10/945	G06V 10/94	NEW
G06V 10/95	G06V 10/94	NEW
G06V 10/955	G06V 10/94	NEW
G06V 10/96	G06V 10/96	NEW
G06V 10/98	G06V 10/98	NEW
G06V 10/987	G06V 10/98	NEW
G06V 10/993	G06V 10/98	NEW
G06V 20/00	G06V 20/00	NEW
G06V 20/05	G06V 20/05	NEW
G06V 20/10	G06V 20/10	NEW
G06V 20/13	G06V 20/13	NEW
G06V 20/17	G06V 20/17	NEW
G06V 20/176	G06V 20/10	NEW
G06V 20/182	G06V 20/10	NEW

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CPC	IPC	Action*
G06V 20/188	G06V 20/10	NEW
G06V 20/194	G06V 20/10	NEW
G06V 20/20	G06V 20/20	NEW
G06V 20/30	G06V 20/30	NEW
G06V 20/35	G06V 20/00	NEW
G06V 20/36	G06V 20/00	NEW
G06V 20/38	G06V 20/00	NEW
G06V 20/39	G06V 20/00	NEW
G06V 20/40	G06V 20/40	NEW
G06V 20/41	G06V 20/40	NEW
G06V 20/42	G06V 20/40	NEW
G06V 20/43	G06V 20/40	NEW
G06V 20/44	G06V 20/40	NEW
G06V 20/46	G06V 20/40	NEW
G06V 20/47	G06V 20/40	NEW
G06V 20/48	G06V 20/40	NEW
G06V 20/49	G06V 20/40	NEW
G06V 20/50	G06V 20/50	NEW
G06V 20/52	G06V 20/52	NEW
G06V 20/53	G06V 20/52	NEW
G06V 20/54	G06V 20/54	NEW
G06V 20/56	G06V 20/56	NEW
G06V 20/58	G06V 20/58	NEW
G06V 20/582	G06V 20/58	NEW
G06V 20/584	G06V 20/58	NEW
G06V 20/586	G06V 20/58	NEW
G06V 20/588	G06V 20/56	NEW
G06V 20/59	G06V 20/59	NEW
G06V 20/593	G06V 20/59	NEW
G06V 20/597	G06V 20/59	NEW
G06V 20/60	G06V 20/60	NEW
G06V 20/62	G06V 20/62	NEW
G06V 20/625	G06V 20/62	NEW
G06V 20/63	G06V 20/62	NEW
G06V 20/635	G06V 20/62	NEW
G06V 20/64	G06V 20/64	NEW
G06V 20/647	G06V 20/64	NEW
G06V 20/653	G06V 20/64	NEW
G06V 20/66	G06V 20/66	NEW
G06V 20/68	G06V 20/68	NEW
G06V 20/69	G06V 20/69	NEW
G06V 20/693	G06V 20/69	NEW
G06V 20/695	G06V 20/69	NEW
G06V 20/698	G06V 20/69	NEW

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CPC	IPC	Action*
G06V 20/70	G06V 20/70	NEW
G06V 20/80	G06V 20/80	NEW
G06V 20/90	G06V 20/90	NEW
G06V 20/95	G06V 20/00	NEW
G06V 30/00	G06V 30/00	NEW
G06V 30/10	G06V 30/10	NEW
G06V 30/12	G06V 30/12	NEW
G06V 30/127	G06V 30/12	NEW
G06V 30/133	G06V 30/12	NEW
G06V 30/14	G06V 30/14	NEW
G06V 30/141	G06V 30/14	NEW
G06V 30/142	G06V 30/142	NEW
G06V 30/1423	G06V 30/142	NEW
G06V 30/1426	G06V 30/142	NEW
G06V 30/1429	G06V 30/14	NEW
G06V 30/1431	G06V 30/14	NEW
G06V 30/1434	G06V 30/14	NEW
G06V 30/1437	G06V 30/14	NEW
G06V 30/144	G06V 30/144	NEW
G06V 30/1444	G06V 30/14	NEW
G06V 30/1448	G06V 30/14	NEW
G06V 30/1452	G06V 30/14	NEW
G06V 30/1456	G06V 30/14	NEW
G06V 30/146	G06V 30/146	NEW
G06V 30/1463	G06V 30/146	NEW
G06V 30/1465	G06V 30/146	NEW
G06V 30/1468	G06V 30/146	NEW
G06V 30/147	G06V 30/146	NEW
G06V 30/1473	G06V 30/146	NEW
G06V 30/1475	G06V 30/146	NEW
G06V 30/1478	G06V 30/146	NEW
G06V 30/148	G06V 30/148	NEW
G06V 30/15	G06V 30/148	NEW
G06V 30/153	G06V 30/148	NEW
G06V 30/155	G06V 30/148	NEW
G06V 30/158	G06V 30/148	NEW
G06V 30/16	G06V 30/16	NEW
G06V 30/1607	G06V 30/16	NEW
G06V 30/1613	G06V 30/16	NEW
G06V 30/162	G06V 30/162	NEW
G06V 30/164	G06V 30/164	NEW
G06V 30/166	G06V 30/166	NEW
G06V 30/168	G06V 30/168	NEW
G06V 30/18	G06V 30/18	NEW

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CPC	IPC	Action*
G06V 30/1801	G06V 30/18	NEW
G06V 30/18019	G06V 30/18	NEW
G06V 30/18029	G06V 30/18	NEW
G06V 30/18038	G06V 30/18	NEW
G06V 30/18048	G06V 30/18	NEW
G06V 30/18057	G06V 30/18	NEW
G06V 30/18067	G06V 30/18	NEW
G06V 30/18076	G06V 30/18	NEW
G06V 30/18086	G06V 30/18	NEW
G06V 30/18095	G06V 30/18	NEW
G06V 30/18105	G06V 30/18	NEW
G06V 30/18114	G06V 30/18	NEW
G06V 30/18124	G06V 30/18	NEW
G06V 30/18133	G06V 30/18	NEW
G06V 30/18143	G06V 30/18	NEW
G06V 30/18152	G06V 30/18	NEW
G06V 30/18162	G06V 30/18	NEW
G06V 30/18171	G06V 30/18	NEW
G06V 30/18181	G06V 30/18	NEW
G06V 30/1819	G06V 30/18	NEW
G06V 30/182	G06V 30/182	NEW
G06V 30/1823	G06V 30/182	NEW
G06V 30/1826	G06V 30/182	NEW
G06V 30/1829	G06V 30/182	NEW
G06V 30/1831	G06V 30/182	NEW
G06V 30/1834	G06V 30/182	NEW
G06V 30/1837	G06V 30/182	NEW
G06V 30/184	G06V 30/184	NEW
G06V 30/186	G06V 30/186	NEW
G06V 30/187	G06V 30/186	NEW
G06V 30/188	G06V 30/186	NEW
G06V 30/189	G06V 30/186	NEW
G06V 30/19	G06V 30/19	NEW
G06V 30/19007	G06V 30/19	NEW
G06V 30/19013	G06V 30/19	NEW
G06V 30/1902	G06V 30/19	NEW
G06V 30/19027	G06V 30/19	NEW
G06V 30/19033	G06V 30/19	NEW
G06V 30/1904	G06V 30/19	NEW
G06V 30/19047	G06V 30/19	NEW
G06V 30/19053	G06V 30/19	NEW
G06V 30/1906	G06V 30/19	NEW
G06V 30/19067	G06V 30/19	NEW
G06V 30/19073	G06V 30/19	NEW

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CPC	IPC	Action*
G06V 30/1908	G06V 30/19	NEW
G06V 30/19087	G06V 30/19	NEW
G06V 30/19093	G06V 30/19	NEW
G06V 30/191	G06V 30/19	NEW
G06V 30/19107	G06V 30/19	NEW
G06V 30/19113	G06V 30/19	NEW
G06V 30/1912	G06V 30/19	NEW
G06V 30/19127	G06V 30/19	NEW
G06V 30/19133	G06V 30/19	NEW
G06V 30/1914	G06V 30/19	NEW
G06V 30/19147	G06V 30/19	NEW
G06V 30/19153	G06V 30/19	NEW
G06V 30/1916	G06V 30/19	NEW
G06V 30/19167	G06V 30/19	NEW
G06V 30/19173	G06V 30/19	NEW
G06V 30/1918	G06V 30/19	NEW
G06V 30/19187	G06V 30/19	NEW
G06V 30/19193	G06V 30/19	NEW
G06V 30/192	G06V 30/192	NEW
G06V 30/194	G06V 30/194	NEW
G06V 30/195	G06V 30/192	NEW
G06V 30/196	G06V 30/196	NEW
G06V 30/198	G06V 30/198	NEW
G06V 30/1983	G06V 30/196	NEW
G06V 30/1985	G06V 30/196	NEW
G06V 30/1988	G06V 30/196	NEW
G06V 30/199	G06V 30/199	NEW
G06V 30/20	G06V 30/20	NEW
G06V 30/22	G06V 30/22	NEW
G06V 30/222	G06V 30/222	NEW
G06V 30/224	G06V 30/224	NEW
G06V 30/2247	G06V 30/224	NEW
G06V 30/2253	G06V 30/224	NEW
G06V 30/226	G06V 30/226	NEW
G06V 30/2264	G06V 30/226	NEW
G06V 30/2268	G06V 30/226	NEW
G06V 30/2272	G06V 30/226	NEW
G06V 30/2276	G06V 30/226	NEW
G06V 30/228	G06V 30/228	NEW
G06V 30/24	G06V 30/24	NEW
G06V 30/242	G06V 30/242	NEW
G06V 30/244	G06V 30/244	NEW
G06V 30/2445	G06V 30/244	NEW
G06V 30/245	G06V 30/244	NEW

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CPC	IPC	Action*
G06V 30/2455	G06V 30/244	NEW
G06V 30/246	G06V 30/246	NEW
G06V 30/248	G06V 30/24	NEW
G06V 30/2504	G06V 30/24	NEW
G06V 30/2528	G06V 30/24	NEW
G06V 30/2552	G06V 30/24	NEW
G06V 30/26	G06V 30/26	NEW
G06V 30/262	G06V 30/262	NEW
G06V 30/268	G06V 30/262	NEW
G06V 30/274	G06V 30/262	NEW
G06V 30/28	G06V 30/28	NEW
G06V 30/287	G06V 30/28	NEW
G06V 30/293	G06V 30/28	NEW
G06V 30/30	G06V 30/30	NEW
G06V 30/302	G06V 30/302	NEW
G06V 30/304	G06V 30/304	NEW
G06V 30/32	G06V 30/32	NEW
G06V 30/333	G06V 30/32	NEW
G06V 30/347	G06V 30/32	NEW
G06V 30/36	G06V 30/32	NEW
G06V 30/373	G06V 30/32	NEW
G06V 30/387	G06V 30/32	NEW
G06V 30/40	G06V 30/40	NEW
G06V 30/41	G06V 30/41	NEW
G06V 30/412	G06V 30/412	NEW
G06V 30/413	G06V 30/413	NEW
G06V 30/414	G06V 30/414	NEW
G06V 30/416	G06V 30/416	NEW
G06V 30/418	G06V 30/418	NEW
G06V 30/42	G06V 30/42	NEW
G06V 30/422	G06V 30/422	NEW
G06V 30/424	G06V 30/424	NEW
G06V 30/43	G06V 30/40	NEW
G06V 40/00	G06V 40/00	NEW
G06V 40/10	G06V 40/10	NEW
G06V 40/103	G06V 40/10	NEW
G06V 40/107	G06V 40/10	NEW
G06V 40/11	G06V 40/10	NEW
G06V 40/113	G06V 40/10	NEW
G06V 40/117	G06V 40/10	NEW
G06V 40/12	G06V 40/12	NEW
G06V 40/13	G06V 40/13	NEW
G06V 40/1306	G06V 40/13	NEW
G06V 40/1312	G06V 40/13	NEW

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CPC	IPC	Action*
G06V 40/1318	G06V 40/13	NEW
G06V 40/1324	G06V 40/13	NEW
G06V 40/1329	G06V 40/13	NEW
G06V 40/1335	G06V 40/12	NEW
G06V 40/1341	G06V 40/12	NEW
G06V 40/1347	G06V 40/12	NEW
G06V 40/1353	G06V 40/12	NEW
G06V 40/1359	G06V 40/12	NEW
G06V 40/1365	G06V 40/12	NEW
G06V 40/1371	G06V 40/12	NEW
G06V 40/1376	G06V 40/12	NEW
G06V 40/1382	G06V 40/12	NEW
G06V 40/1388	G06V 40/12	NEW
G06V 40/1394	G06V 40/12	NEW
G06V 40/14	G06V 40/14	NEW
G06V 40/145	G06V 40/145	NEW
G06V 40/15	G06V 40/10	NEW
G06V 40/155	G06V 40/10	NEW
G06V 40/16	G06V 40/16	NEW
G06V 40/161	G06V 40/16	NEW
G06V 40/162	G06V 40/16	NEW
G06V 40/164	G06V 40/16	NEW
G06V 40/165	G06V 40/16	NEW
G06V 40/166	G06V 40/16	NEW
G06V 40/167	G06V 40/16	NEW
G06V 40/168	G06V 40/16	NEW
G06V 40/169	G06V 40/16	NEW
G06V 40/171	G06V 40/16	NEW
G06V 40/172	G06V 40/16	NEW
G06V 40/173	G06V 40/16	NEW
G06V 40/174	G06V 40/16	NEW
G06V 40/175	G06V 40/16	NEW
G06V 40/176	G06V 40/16	NEW
G06V 40/178	G06V 40/16	NEW
G06V 40/179	G06V 40/16	NEW
G06V 40/18	G06V 40/18	NEW
G06V 40/19	G06V 40/19	NEW
G06V 40/193	G06V 40/18	NEW
G06V 40/197	G06V 40/18	NEW
G06V 40/20	G06V 40/20	NEW
G06V 40/23	G06V 40/20	NEW
G06V 40/25	G06V 40/20	NEW
G06V 40/28	G06V 40/20	NEW
G06V 40/30	G06V 40/30	NEW

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CPC	IPC	Action*
G06V 40/33	G06V 40/30	NEW
G06V 40/37	G06V 40/30	NEW
G06V 40/376	G06V 40/30	NEW
G06V 40/382	G06V 40/30	NEW
G06V 40/388	G06V 40/30	NEW
G06V 40/394	G06V 40/30	NEW
G06V 40/40	G06V 40/40	NEW
G06V 40/45	G06V 40/40	NEW
G06V 40/50	G06V 40/50	NEW
G06V 40/53	G06V 40/50	NEW
G06V 40/55	G06V 40/50	NEW
G06V 40/58	G06V 40/50	NEW
G06V 40/60	G06V 40/60	NEW
G06V 40/63	G06V 40/60	NEW
G06V 40/67	G06V 40/60	NEW
G06V 40/70	G06V 40/70	NEW
G06V 2201/00	CPCONLY	NEW
G06V 2201/01	CPCONLY	NEW
G06V 2201/02	CPCONLY	NEW
G06V 2201/03	CPCONLY	NEW
G06V 2201/031	CPCONLY	NEW
G06V 2201/032	CPCONLY	NEW
G06V 2201/033	CPCONLY	NEW
G06V 2201/034	CPCONLY	NEW
G06V 2201/04	CPCONLY	NEW
G06V 2201/05	CPCONLY	NEW
G06V 2201/06	CPCONLY	NEW
G06V 2201/07	CPCONLY	NEW
G06V 2201/08	CPCONLY	NEW
G06V 2201/09	CPCONLY	NEW
G06V 2201/10	CPCONLY	NEW
G06V 2201/11	CPCONLY	NEW
G06V 2201/12	CPCONLY	NEW
G06V 2201/121	CPCONLY	NEW
G06V 2201/122	CPCONLY	NEW
G06V 2201/13	CPCONLY	NEW
G06V 2201/131	CPCONLY	NEW
G06V 2201/132	CPCONLY	NEW
G06V 2201/133	CPCONLY	NEW
G06V 2201/134	CPCONLY	NEW
G06V 2201/135	CPCONLY	NEW
G06V 2201/136	CPCONLY	NEW

*Action column:

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- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with "NEW."
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with "UPDATED."
- For a (D) CPC entry or indexing entry complete the Action column with "DELETE." IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with "NEW".
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with "CPCONLY" and complete the action column with "NEW".

NOTES:
- F symbols are not included in the CICL table above.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

Location of reference to be changed	**Referenced subclass or group to be changed**	**Action; New reference symbol; New text**
G03H1/0005	G06K9/76	<u>Replace</u> the referenced subclass with the following subclass. G06V 10/88
G03H2001/0066	G06K9/76	<u>Replace</u> referenced subclass with the following subclass. G06V 10/88
G06K19/07354	G06K9/00006	<u>Replace</u> referenced subclass with the following subclass. G06V 40/12
G06K21/00	G06K9/03	<u>Replace</u> referenced subclass with the following subclass. G06V 10/98
G08G5/0073	G06K9/00624	<u>Replace</u> referenced subclass with the following subclass. G06V 20/00
G01N15/1463	G06K 9/00127	<u>Replace</u> referenced subclass with the following subclass. G06V 20/69
G01N15/1468	G06K 9/00127	<u>Replace</u> referenced subclass with the following subclass. G06V 20/69
H01L23/00	G06K9/00006	<u>Replace</u> the referenced subclass with the following subclass. G06V 40/12
H04N1/00381	G06K9/00335	<u>Replace</u> referenced subclass with the following subclass. G06V 40/20
H04N21/23418	G06K9/00624	<u>Replace</u> referenced subclass with the following subclass. G06V 20/00
H04N21/44218	G06K9/00221	<u>Replace</u> referenced subclass with the following subclass. G06V 40/16
H04N21/44218	G06K9/00335	<u>Replace</u> referenced subclass with the following subclass. G06V 40/20
H04N21/44218	G06K9/00362	<u>Replace</u> referenced subclass with the following subclass. G06V 40/10

Definitions references impacted by this revision project

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
A41H3/007	G06K9/48	Limiting references	Replace referenced subclass with the following subclass. G06V 10/46
A61B5/1128	G06K9/46	Informative references	Replace referenced subclass with the following subclass. G06V 10/40
A61B5/163	G06K9/00597	Informative references	Replace referenced subclass with the following subclass. G06V 40/18
A63B24/00	G06K9/00335	Informative references	Replace referenced subclass with the following subclass. G06V 40/20
A63B24/00	G06K9/00342	Limiting references	Replace referenced subclass with the following subclass. G06V 40/23
A63B24/0003	G06K9/00342	Limiting references	Replace referenced subclass with the following subclass. G06V 40/23
A63B69/00	G06K9/00342	Informative references	Replace referenced subclass with the following subclass. G06V 40/23
A63B69/36	G06K9/00342	Informative references	Replace referenced subclass with the following subclass. G06V 40/23
B60W60/0027	G06K9/00791	Informative references	Replace referenced subclass with the following subclass. G06V 20/56
B60W60/0027	G06K9/3233	Informative references	Replace referenced subclass with the following subclass. G06V 10/25
B60W60/0027	G06K9/46	Informative references	Replace referenced subclass with the following subclass. G06V 10/40
G01C21/005	G06K9/34	Informative references	Replace referenced subclass with the following subclass. G06V 10/26
G01C21/32	G06K9/00476	Informative references	Replace referenced subclass with the following subclass. G06V 30/422
G01N15/00	G06K9/00127	Informative references	Replace referenced subclass with the following subclass. G06V 20/69
G01N15/00	G06K9/46	Informative references	Replace referenced subclass with the following subclass. G06V 10/40

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
G01N15/00	G06K9/00127	Special rules	Replace referenced subclass with the following subclass. G06V 20/69
G01N15/00	G06K9/46	Special rules	Replace referenced subclass with the following subclass. G06V 10/40
G03H	G06K9/20	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/10
G03H	G06K9/76	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/88
G03H1/00	G06K9/20	Informative references	Replace referenced subclass with the following subclass. G06V 10/10
G03H1/00	G06K9/76	Limiting references	Replace referenced subclass with the following subclass. G06V 10/88
G05D1/12	G06K2209/21	Informative references	Replace referenced subclass with the following subclass. G06V 2201/07
G06F3/005	G06K9/00335	Limiting references	Replace referenced subclass with the following subclass. G06V 40/20
G06F3/011	G06K9/00221	Limiting references	Replace referenced subclass with the following subclass. G06V 40/16
G06F3/011	G06K9/00362	Limiting references	Replace referenced subclass with the following subclass. G06V 40/10
G06F3/013	G06K9/00597	Limiting references	Replace referenced subclass with the following subclass. G06V 40/18
G06F3/017	G06K9/00221	Limiting references	Replace referenced subclass with the following subclass. G06V 40/16
G06F3/017	G06K9/00335	Limiting references	Replace referenced subclass with the following subclass. G06V 40/20
G06F3/03545	G06K9/222	Relationships with other classification places	Replace referenced subclass with the following subclass. G06V 30/1423
G06F3/03545	G06K9/24	Relationships with other classification places	Replace referenced subclass with the following subclass. G06V 10/12

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Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
G06F3/1242	G06K9/20	Informative references	Replace referenced subclass with the following subclass. G06V 10/10
G06F16/783	G06K9/00711	Informative references	Replace referenced subclass with the following subclass. G06V 20/52
G06F16/783	G06K9/46	Informative references	Replace referenced subclass with the following subclass. G06V 10/40
G06F16/7837	G06K9/3241	Informative references	Replace referenced subclass with the following subclass. G06V 10/255
G06F16/784	G06K9/00221	Informative references	Replace referenced subclass with the following subclass. G06V 40/16
G06F16/784	G06K9/00369	Informative references	Replace referenced subclass with the following subclass. G06V 40/103
G06F16/7844	G06K9/3266	Informative references	Replace referenced subclass with the following subclass. G06V 20/635
G06F16/7847	G06K9/00711	Informative references	Replace referenced subclass with the following subclass. G06V 20/52
G06F16/7847	G06K9/46	Informative references	Replace referenced subclass with the following subclass. G06V 10/40
G06K19/00	G06K9/20	Informative references	Replace referenced subclass with the following subclass. G06V 10/10
G06N20/00	G06K9/66	Informative references	Replace referenced subclass with the following subclass. G06V 30/194
G06T5/00	G06K9/36	Informative references	Replace referenced subclass with the following subclass. G06V 10/20
G06T5/00	G06K9/58	Informative references	Replace referenced subclass with the following subclass. G06V 10/88
G06T5/002	G06K9/40	Informative references	Replace referenced subclass with the following subclass. G06V 10/30
G06T5/005	G06K9/00597	Informative references	Replace referenced subclass with the following subclass. G06V 40/18
G06T5/006	G06K9/42	Informative references	Replace referenced subclass with the following subclass. G06V 10/32

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
G06T5/20	G06K9/56	Informative references	Replace referenced subclass with the following subclass. G06V 10/36
G06T5/30	G06K9/44	Informative references	Replace referenced subclass with the following subclass. G06V 10/34
G06T7/0002	G06K9/03	Informative references	Replace referenced subclass with the following subclass. G06V 10/98
G06T7/0002	G06K9/036	Informative references	Replace referenced subclass with the following subclass. G06V 10/993
G06T7/0012	G06K9/00127	Informative references	Replace referenced subclass with the following subclass. G06V 20/69
G06T7/10	G06K9/34	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/26
G06T7/10	G06K9/46	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/40
G06T7/10	G06K9/4604	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/44
G06T7/10	G06K9/4652	Informative references	Replace referenced subclass with the following subclass. G06V 10/56
G06T7/11	G06K9/342	Application-oriented references	Replace referenced subclass with the following subclass. G06V 40/23
G06T7/11	G06K9/38	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/28
G06T7/11	G06K9/4652	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/56
G06T7/12	G06K9/4604	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/44
G06T7/12	G06K9/48	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/46
G06T7/13	G06K9/4604	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/44
G06T7/13	G06K9/48	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/46

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Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
G06T7/136	G06K9/38	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/28
G06T7/143	G06K9/4638	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/457
G06T7/149	G06K9/6206	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/754
G06T7/149	G06K9/6207	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/755
G06T7/149	G06K9/6209	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/7553
G06T7/149	G06K9/621	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/7557
G06T7/155	G06K9/342	Application-oriented references	Replace referenced subclass with the following subclass. G06V 40/23
G06T7/155	G06K9/44	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/34
G06T7/155	G06K9/56	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/36
G06T7/162	G06K9/469	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/426
G06T7/162	G06K9/6892	Informative references	Replace referenced subclass with the following subclass. G06V 30/1988
G06T7/168	G06K9/4633	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/48
G06T7/168	G06K9/522	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/431
G06T7/168	G06K9/527	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/52
G06T7/181	G06K9/4638	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/457
G06T7/187	G06K9/342	Application-oriented references	Replace referenced subclass with the following subclass. G06V 40/23

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
G06T7/187	G06K9/4638	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/457
G06T7/194	G06K9/38	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/28
G06T7/20	G06K9/00335	Application-oriented references	Replace referenced subclass with the following subclass. G06V 40/20
G06T7/20	G06K9/00624	Application-oriented references	Replace referenced subclass with the following subclass. G06V 20/00
G06T7/20	G06K9/00711	Application-oriented references	Replace referenced subclass with the following subclass. G06V 20/52
G06T7/20	G06K9/00771	Application-oriented references	Replace referenced subclass with the following subclass. G06V 20/52
G06T7/20	G06K9/00791	Application-oriented references	Replace referenced subclass with the following subclass. G06V 20/56
G06T7/20	G06K9/00832	Application-oriented references	Replace referenced subclass with the following subclass. G06V 20/59
G06T7/215	G06K9/00765	Application-oriented references	Replace referenced subclass with the following subclass. G06V 20/49
G06T7/248	G06K9/00261	Application-oriented references	Replace referenced subclass with the following subclass. G06V 40/167
G06T7/251	G06K9/6204	Informative references	Replace referenced subclass with the following subclass. G06V 10/752
G06T7/251	G06K9/6878	Informative references	Replace referenced subclass with the following subclass. G06V 30/1983
G06T7/262	G06K9/4633	Informative references	Replace referenced subclass with the following subclass. G06V 10/48
G06T7/262	G06K9/522	Informative references	Replace referenced subclass with the following subclass. G06V 10/431
G06T7/262	G06K9/527	Informative references	Replace referenced subclass with the following subclass. G06V 10/52
G06T7/292	G06K9/00295	Application-oriented references	Replace referenced subclass with the following subclass. G06V 40/173

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
G06T7/30	G06K9/00201	Application-oriented references	Replace referenced subclass with the following subclass. G06V 20/64
G06T7/30	G06K9/6202	Informative references	Replace referenced subclass with the following subclass. G06V 10/751
G06T7/33	G06K9/46	Informative references	Replace referenced subclass with the following subclass. G06V 10/40
G06T7/344	G06K9/6204	Informative references	Replace referenced subclass with the following subclass. G06V 10/752
G06T7/344	G06K9/6878	Informative references	Replace referenced subclass with the following subclass. G06V 30/1983
G06T7/35	G06K9/6211	Informative references	Replace referenced subclass with the following subclass. G06V 10/757
G06T7/35	G06K9/6212	Informative references	Replace referenced subclass with the following subclass. G06V 10/758
G06T7/37	G06K9/4633	Informative references	Replace referenced subclass with the following subclass. G06V 10/48
G06T7/37	G06K9/522	Informative references	Replace referenced subclass with the following subclass. G06V 10/431
G06T7/37	G06K9/527	Informative references	Replace referenced subclass with the following subclass. G06V 10/52
G06T7/38	G06K9/00483	Application-oriented references	Replace referenced subclass with the following subclass. G06V 30/418
G06T7/38	G06K9/00758	Application-oriented references	Replace referenced subclass with the following subclass. G06V 20/48
G06T7/42	G06K9/4633	Informative references	Replace referenced subclass with the following subclass. G06V 10/48
G06T7/42	G06K9/522	Informative references	Replace referenced subclass with the following subclass. G06V 10/431
G06T7/42	G06K9/527	Informative references	Replace referenced subclass with the following subclass. G06V 10/52
G06T7/60	G06K9/52	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/42

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Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
G06T7/66	G06K9/525	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/435
G06T7/70	G06K9/00221	Application-oriented references	Replace referenced subclass with the following subclass. G06V 40/16
G06T7/70	G06K9/00597	Application-oriented references	Replace referenced subclass with the following subclass. G06V 40/18
G06T7/70	G06K9/3208	Application-oriented references	Replace referenced subclass with the following subclass. G06V 10/242
G06T7/75	G06K9/6204	Informative references	Replace referenced subclass with the following subclass. G06V 10/752
G06T7/75	G06K9/6878	Informative references	Replace referenced subclass with the following subclass. G06V 30/1983
G06T7/77	G06K9/6212	Informative references	Replace referenced subclass with the following subclass. G06V 10/758
G06T7/90	G06K9/00597	Application-oriented references	Replace referenced subclass with the following subclass. G06V 40/18
G06T9/00	G06K9/48	Informative references	Replace referenced subclass with the following subclass. G06V 10/46
G06T11/203	G06K9/481	Limiting references	Replace referenced subclass with the following subclass. G06V 10/469
G06T11/60	G06K9/00442	Informative references	Replace referenced subclass with the following subclass. G06V 30/40
G08B13/00	G06K9/00362	Informative references	Replace referenced subclass with the following subclass. G06V 40/10
G08B13/00	G06K9/00771	Informative references	Replace referenced subclass with the following subclass. G06V 20/52
G08B13/00	G06K9/00771	Informative references	Replace referenced subclass with the following subclass. G06V 20/52
G08B21/00	G06K9/00771	Informative references	Replace referenced subclass with the following subclass. G06V 20/52
G08G1/017	G06K9/3241	Informative references	Replace referenced subclass with the following subclass. G06V 10/255

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Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
G08G1/04	G06K9/00785	Informative references	Replace referenced subclass with the following subclass. G06V 20/54
G08G1/16	G06K9/00369	Informative references	Replace referenced subclass with the following subclass. G06V 40/103
G08G1/16	G06K9/00771	Informative references	Replace referenced subclass with the following subclass. G06V 20/52
G08G1/16	G06K9/00785	Informative references	Replace referenced subclass with the following subclass. G06V 20/54
G08G1/16	G06K9/00791	Informative references	Replace referenced subclass with the following subclass. G06V 20/56
G08G1/16	G06K9/4604	Informative references	Replace referenced subclass with the following subclass. G06V 10/44
G08G5/0073	G06K9/00624	Informative references	Replace referenced subclass with the following subclass. G06V 20/00
G09B7/06	G06K9/20	Relationships with other classification places	Replace referenced subclass with the following subclass. G06V 10/10
G10L15/00	G06K9/00221	Informative references	Replace referenced subclass with the following subclass. G06V 40/16
H04M1/2755	G06K9/18	Informative references	Replace referenced subclass with the following subclass. G06V 30/224
H04M1/67	G06K9/00604	Relationships with other classification places	Replace referenced subclass with the following subclass. G06V 40/19
H04N1/00	G06K9/00221	Informative references	Replace referenced subclass with the following subclass. G06V 40/16
H04N1/00	G06K9/00362	Informative references	Replace referenced subclass with the following subclass. G06V 40/10
H04N1/00	G06K9/00624	Informative references	Replace referenced subclass with the following subclass. G06V 20/00
H04N1/3878	G06K9/3275	Relationships with other classification places	Replace referenced subclass with the following subclass. G06V 10/243

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Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
H04N1/40062	G06K9/00442	Informative references	Replace referenced subclass with the following subclass. G06V 30/40
H04N1/409	G06K9/40	Informative references	Replace referenced subclass with the following subclass. G06V 10/30
H04N1/4177	G06K9/2018	Informative references	Replace referenced subclass with the following subclass. G06V 10/143
H04N5/23219	G06K9/00221	Informative references	Replace referenced subclass with the following subclass. G06V 40/16
H04N9/643	G06K9/00221	Limiting references	Replace referenced subclass with the following subclass. G06V 40/16
H04N21/00	G06K9/00221	Informative references	Replace referenced subclass with the following subclass. G06V 40/16
H04N21/00	G06K9/00335	Informative references	Replace referenced subclass with the following subclass. G06V 40/20
H04N21/00	G06K9/00362	Informative references	Replace referenced subclass with the following subclass. G06V 40/10
H04N21/00	G06K9/00624	Informative references	Replace referenced subclass with the following subclass. G06V 20/00
H04N21/23418	G06K9/00624	Limiting references	Replace referenced subclass with the following subclass. G06V 20/00
H04N21/44218	G06K9/00221	Limiting references	Replace referenced subclass with the following subclass. G06V 40/16
H04N21/44218	G06K9/00335	Limiting references	Replace referenced subclass with the following subclass. G06V 40/20
H04N21/44218	G06K9/00362	Limiting references	Replace referenced subclass with the following subclass. G06V 40/10

NOTES:
- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions inside the project scope will be reflected in the "scheme change" template or one of the "definition" templates.
- In addition to other changes proposed in the tables above, in the column titled "Referenced subclass or group to be changed," **referenced** D symbols should indicate an action of "delete" or should indicate a replacement symbol and **referenced** F symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.

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