

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 597

DATE: JANUARY 1, 2019

PROJECT RP0580

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>SCHEME:</b>		
Symbols Deleted:	G06F	17/30, 17/30002, 17/30005, 17/30008, 17/30011, 17/30014, 17/30017, 17/3002, 17/30023, 17/30026, 17/30029, 17/30032, 17/30035, 17/30038, 17/30041, 17/30044, 17/30047, 17/3005, 17/30053, 17/30056, 17/30058, 17/30061, 17/30064, 17/30067, 17/3007, 17/30073, 17/30076, 17/30079, 17/30082, 17/30085, 17/30088, 17/30091, 17/30094, 17/30097, 17/301, 17/30103, 17/30106, 17/30109, 17/30112, 17/30115, 17/30117, 17/3012, 17/30123, 17/30126, 17/30129, 17/30132, 17/30135, 17/30138, 17/30141, 17/30144, 17/30147, 17/3015, 17/30153, 17/30156, 17/30159, 17/30162, 17/30165, 17/30168, 17/30171, 17/30174, 17/30176, 17/30179, 17/30182, 17/30185, 17/30188, 17/30191, 17/30194, 17/30197, 17/302, 17/30203, 17/30206, 17/30209, 17/30212, 17/30215, 17/30218, 17/30221, 17/30224, 17/30227, 17/3023, 17/30233, 17/30235, 17/30238, 17/30241, 17/30244, 17/30247, 17/3025, 17/30253, 17/30256, 17/30259, 17/30262, 17/30265, 17/30268, 17/30271, 17/30274, 17/30277, 17/3028, 17/30283, 17/30286, 17/30289, 17/30292, 17/30294, 17/30297, 17/303, 17/30303, 17/30306, 17/30309, 17/30312, 17/30315, 17/30318, 17/30321, 17/30324, 17/30327, 17/3033, 17/30333, 17/30336, 17/30339, 17/30342, 17/30345, 17/30348, 17/30351, 17/30353, 17/30356, 17/30359, 17/30362, 17/30365, 17/30368, 17/30371, 17/30374, 17/30377, 17/3038, 17/30383, 17/30386, 17/30389, 17/30392, 17/30395, 17/30398, 17/30401, 17/30404, 17/30407, 17/3041, 17/30412, 17/30415, 17/30418, 17/30421, 17/30424, 17/30427, 17/3043, 17/30433, 17/30436, 17/30439, 17/30442, 17/30445, 17/30448, 17/30451, 17/30454, 17/30457, 17/3046, 17/30463, 17/30466, 17/30469, 17/30471, 17/30474, 17/30477, 17/3048, 17/30483, 17/30486, 17/30489, 17/30492, 17/30495, 17/30498, 17/30501, 17/30504, 17/30507, 17/3051, 17/30513, 17/30516, 17/30519, 17/30522, 17/30525, 17/30528, 17/3053, 17/30533, 17/30536, 17/30539,

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		17/30542, 17/30545, 17/30548, 17/30551, 17/30554, 17/30557, 17/3056, 17/30563, 17/30566, 17/30569, 17/30572, 17/30575, 17/30578, 17/30581, 17/30584, 17/30587, 17/30589, 17/30592, 17/30595, 17/30598, 17/30601, 17/30604, 17/30607, 17/3061, 17/30613, 17/30616, 17/30619, 17/30622, 17/30625, 17/30628, 17/30631, 17/30634, 17/30637, 17/3064, 17/30643, 17/30646, 17/30648, 17/30651, 17/30654, 17/30657, 17/3066, 17/30663, 17/30666, 17/30669, 17/30672, 17/30675, 17/30678, 17/30681, 17/30684, 17/30687, 17/3069, 17/30693, 17/30696, 17/30699, 17/30702, 17/30705, 17/30707, 17/3071, 17/30713, 17/30716, 17/30719, 17/30722, 17/30725, 17/30728, 17/30731, 17/30734, 17/30737, 17/3074, 17/30743, 17/30746, 17/30749, 17/30752, 17/30755, 17/30758, 17/30761, 17/30764, 17/30766, 17/30769, 17/30772, 17/30775, 17/30778, 17/30781, 17/30784, 17/30787, 17/3079, 17/30793, 17/30796, 17/30799, 17/30802, 17/30805, 17/30808, 17/30811, 17/30814, 17/30817, 17/3082, 17/30823, 17/30825, 17/30828, 17/30831, 17/30834, 17/30837, 17/3084, 17/30843, 17/30846, 17/30849, 17/30852, 17/30855, 17/30858, 17/30861, 17/30864, 17/30867, 17/3087, 17/30873, 17/30876, 17/30879, 17/30882, 17/30884, 17/30887, 17/3089, 17/30893, 17/30896, 17/30899, 17/30902, 17/30905, 17/30908, 17/30911, 17/30914, 17/30917, 17/3092, 17/30923, 17/30926, 17/30929, 17/30932, 17/30935, 17/30938, 17/30941, 17/30943, 17/30946, 17/30949, 17/30952, 17/30955, 17/30958, 17/30961, 17/30964, 17/30967, 17/3097, 17/30973, 17/30976, 17/30979, 17/30982, 17/30985, 17/30988, 17/30991, 17/30994, 17/30997
Symbols New:	G06F	16/00, 16/10, 16/11, 16/113, 16/116, 16/119, 16/122, 16/125, 16/128, 16/13, 16/134, 16/137, 16/14, 16/144, 16/148, 16/152, 16/156, 16/16, 16/162, 16/164, 16/166, 16/168, 16/17, 16/172, 16/1724, 16/1727, 16/173, 16/1734, 16/1737, 16/174, 16/1744, 16/1748, 16/1752, 16/1756, 16/176, 16/1767, 16/1774, 16/178, 16/1787, 16/1794, 16/18, 16/1805, 16/181, 16/1815, 16/182, 16/1824, 16/1827, 16/183, 16/1834, 16/1837, 16/184, 16/1844, 16/1847, 16/185, 16/1858, 16/1865, 16/1873, 16/188,

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
		16/192, 16/196, 16/20, 16/21, 16/211, 16/212, 16/213, 16/214, 16/215, 16/217, 16/219, 16/22, 16/221, 16/2219, 16/2228, 16/2237, 16/2246, 16/2255, 16/2264, 16/2272, 16/2282, 16/2291, 16/23, 16/2308, 16/2315, 16/2322, 16/2329, 16/2336, 16/2343, 16/235, 16/2358, 16/2365, 16/2372, 16/2379, 16/2386, 16/2393, 16/24, 16/242, 16/2423, 16/2425, 16/2428, 16/243, 16/2433, 16/2435, 16/2438, 16/244, 16/2443, 16/2445, 16/2448, 16/245, 16/2452, 16/24522, 16/24524, 16/24526, 16/24528, 16/2453, 16/24532, 16/24534, 16/24535, 16/24537, 16/24539, 16/2454, 16/24542, 16/24544, 16/24545, 16/24547, 16/24549, 16/2455, 16/24552, 16/24553, 16/24554, 16/24556, 16/24557, 16/24558, 16/2456, 16/24561, 16/24562, 16/24564, 16/24565, 16/24566, 16/24568, 16/24569, 16/2457, 16/24573, 16/24575, 16/24578, 16/2458, 16/2462, 16/2465, 16/2468, 16/2471, 16/2474, 16/2477, 16/248, 16/25, 16/252, 16/254, 16/256, 16/258, 16/26, 16/27, 16/273, 16/275, 16/278, 16/28, 16/282, 16/283, 16/284, 16/285, 16/287, 16/288, 16/289, 16/29, 16/30, 16/31, 16/313, 16/316, 16/319, 16/322, 16/325, 16/328, 16/33, 16/332, 16/3322, 16/3323, 16/3325, 16/3326, 16/3328, 16/3329, 16/3331, 16/3332, 16/3334, 16/3335, 16/3337, 16/3338, 16/334, 16/3341, 16/3343, 16/3344, 16/3346, 16/3347, 16/3349, 16/335, 16/337, 16/338, 16/34, 16/345, 16/35, 16/353, 16/355, 16/358, 16/36, 16/367, 16/374, 16/38, 16/381, 16/382, 16/383, 16/387, 16/40, 16/41, 16/43, 16/432, 16/433, 16/434, 16/435, 16/436, 16/437, 16/438, 16/4387, 16/4393, 16/44, 16/444, 16/447, 16/45, 16/48, 16/483, 16/487, 16/489, 16/50, 16/51, 16/53, 16/532, 16/535, 16/538, 16/54, 16/55, 16/56, 16/58, 16/583, 16/5838, 16/5846, 16/5854, 16/5862, 16/5866, 16/587, 16/60, 16/61, 16/63, 16/632, 16/634, 16/635, 16/636, 16/637, 16/638, 16/639, 16/64, 16/65, 16/68, 16/683, 16/685, 16/686, 16/687, 16/70, 16/71, 16/73, 16/732, 16/7328, 16/7335, 16/7343, 16/735, 16/738, 16/739, 16/74, 16/743, 16/745, 16/748, 16/75, 16/78, 16/783, 16/7834, 16/7837, 16/784, 16/7844, 16/7847,

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		16/785, 16/7854, 16/7857, 16/786, 16/7864, 16/7867, 16/787, 16/80, 16/81, 16/83, 16/832, 16/835, 16/8358, 16/8365, 16/8373, 16/838, 16/84, 16/86, 16/88, 16/90, 16/901, 16/9014, 16/9017, 16/902, 16/9024, 16/9027, 16/903, 16/9032, 16/90324, 16/90328, 16/90332, 16/90335, 16/90339, 16/90344, 16/90348, 16/9035, 16/9038, 16/904, 16/906, 16/907, 16/908, 16/909, 16/93, 16/94, 16/95, 16/951, 16/953, 16/9532, 16/9535, 16/9536, 16/9537, 16/9538, 16/954, 16/955, 16/9554, 16/9558, 16/9562, 16/9566, 16/957, 16/9574, 16/9577, 16/958, 16/972, 16/986
Titles Changed:	G06F	17/00
Warnings New:	G06F	16/1794, 16/23, 16/2308, 16/2315, 16/2336, 16/25, 16/258, 16/27, 16/273, 16/275, 16/278, 16/38, 16/383, 16/387, 16/40, 16/43, 16/432, 16/45, 16/48, 16/483, 16/487, 16/489, 16/50, 16/53, 16/532, 16/535, 16/538, 16/55, 16/58, 16/5838, 16/5846, 16/5854, 16/5862, 16/5866, 16/587, 16/60, 16/63, 16/65, 16/68, 16/686, 16/687, 16/70, 16/73, 16/732, 16/75, 16/78, 16/7867, 16/787, 16/81, 16/83, 16/835, 16/90, 16/903, 16/9035, 16/906, 16/907, 16/908, 16/909, 16/951, 16/953, 16/9532, 16/9535, 16/9536, 16/9538
Notes New:	G06F	16/30, 16/40, 16/50, 16/60, 16/70, 16/90
<b>DEFINITIONS:</b>		
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)	G06F	17/30, 17/30011, 17/30014, 17/30017, 17/3002, 17/30023, 17/30026, 17/30032, 17/30035, 17/30038, 17/30041, 17/30044, 17/30047, 17/3005, 17/30053, 17/30056, 17/30061, 17/30064, 17/30067, 17/30073, 17/30076, 17/30079, 17/30082, 17/30085, 17/30088, 17/30091, 17/30094, 17/30097, 17/301, 17/30103, 17/30106, 17/30109, 17/30112, 17/30115, 17/30117, 17/3012, 17/30123, 17/30126, 17/30129, 17/30132, 17/30135, 17/30138, 17/30141, 17/30144, 17/30147, 17/3015, 17/30153, 17/30156, 17/30159, 17/30162, 17/30165, 17/30168, 17/30171, 17/30174, 17/30176, 17/30179, 17/30182, 17/30185, 17/30188, 17/30191, 17/30194, 17/30197, 17/302, 17/30203, 17/30206, 17/30209, 17/30212, 17/30215, 17/30218, 17/30221, 17/30224, 17/30227,

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		17/3023, 17/30233, 17/30235, 17/30238, 17/30241, 17/30244, 17/30247, 17/3025, 17/30253, 17/30256, 17/30259, 17/30262, 17/30265, 17/30268, 17/30271, 17/30274, 17/30277, 17/3028, 17/30286, 17/30289, 17/30292, 17/30294, 17/30297, 17/303, 17/30303, 17/30306, 17/30309, 17/30312, 17/30315, 17/30318, 17/30321, 17/30324, 17/30327, 17/3033, 17/30333, 17/30336, 17/30339, 17/30342, 17/30345, 17/30348, 17/30351, 17/30353, 17/30356, 17/30359, 17/30362, 17/30365, 17/30368, 17/30371, 17/30374, 17/30377, 17/3038, 17/30383, 17/30386, 17/30389, 17/30392, 17/30395, 17/30398, 17/30401, 17/30404, 17/30407, 17/3041, 17/30412, 17/30415, 17/30418, 17/30421, 17/30424, 17/30427, 17/3043, 17/30433, 17/30436, 17/30439, 17/30442, 17/30445, 17/30448, 17/30451, 17/30454, 17/30457, 17/3046, 17/30463, 17/30466, 17/30469, 17/30471, 17/30474, 17/30477, 17/3048, 17/30483, 17/30486, 17/30489, 17/30492, 17/30495, 17/30498, 17/30501, 17/30504, 17/30507, 17/3051, 17/30513, 17/30516, 17/30522, 17/30525, 17/30528, 17/3053, 17/30533, 17/30536, 17/30539, 17/30542, 17/30545, 17/30548, 17/30551, 17/30554, 17/30557, 17/3056, 17/30563, 17/30566, 17/30569, 17/30572, 17/30575, 17/30578, 17/30581, 17/30584, 17/30587, 17/30589, 17/30592, 17/30595, 17/30598, 17/30601, 17/30604, 17/30607, 17/3061, 17/30613, 17/30616, 17/30619, 17/30622, 17/30625, 17/30628, 17/30631, 17/3064, 17/30643, 17/30648, 17/30651, 17/30654, 17/30657, 17/3066, 17/30663, 17/30666, 17/30669, 17/30672, 17/30675, 17/30678, 17/30681, 17/30684, 17/30687, 17/3069, 17/30693, 17/30696, 17/30699, 17/30702, 17/30705, 17/30707, 17/3071, 17/30713, 17/30716, 17/30719, 17/30722, 17/30725, 17/30728, 17/30731, 17/30734, 17/30737, 17/3074, 17/30743, 17/30746, 17/30749, 17/30752, 17/30758, 17/30761, 17/30764, 17/30766, 17/30769, 17/30772, 17/30775, 17/30781, 17/30784, 17/30787, 17/3079, 17/30793, 17/30796, 17/30799, 17/30802, 17/30805, 17/30808, 17/30811, 17/30814, 17/30817, 17/3082, 17/30823, 17/30825, 17/30828, 17/30831, 17/30834, 17/30837, 17/3084, 17/30843, 17/30846, 17/30849, 17/30852, 17/30855, 17/30858, 17/30861,

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
		17/30864, 17/30867, 17/3087, 17/30873, 17/30876, 17/30879, 17/30882, 17/30884, 17/30887, 17/3089, 17/30893, 17/30896, 17/30899, 17/30902, 17/30905, 17/30908, 17/30911, 17/30914, 17/30917, 17/3092, 17/30923, 17/30926, 17/30929, 17/30932, 17/30935, 17/30938, 17/30943, 17/30949, 17/30958, 17/30961, 17/3097, 17/30982, 17/30985, 17/30988, 17/30994, 17/30997

**The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL):**

**Groups in G06F:** G06F 3/00, G06F 7/00, G06F 8/00, G06F 9/00, G06F11/00, G06F 12/00, G06F 15/00, G06F 17/20, G06F 21/00

**Subclasses:** A63B, G01C, G01W, G06K, G06Q, G06T, G08G, G10H, G10L, G11B, G11C, G16H, H04L, H04M, H04N

**This Notice of Changes includes the following [Check the ones included]:**

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)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

**SUBCLASS G06F - ELECTRIC DIGITAL DATA PROCESSING** (computer systems based on specific computational models G06N)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>transferred to#</u>
N	G06F 16/00	0	Information retrieval; Database structures therefor; File system structures therefor	
N	G06F 16/10	1	File systems; File servers	
N	G06F 16/11	2	File system administration, e.g. details of archiving or snapshots (file system backup G06F 11/14)	
N	G06F 16/113	3	{Details of archiving (lifecycle management in storage systems G06F 3/0649; backup systems G06F 11/1446)}	
N	G06F 16/116	3	{Details of conversion of file system types or formats}	
N	G06F 16/119	3	{Details of migration of file systems (migration mechanisms in storage systems G06F 3/0647)}	
N	G06F 16/122	3	{using management policies (backup systems G06F 11/1446; file migration policies for HSM systems G06F 16/185)}	
N	G06F 16/125	4	{characterised by the use of retention policies (retention policies for HSM systems G06F 16/185)}	
N	G06F 16/128	3	{Details of file system snapshots on the file-level, e.g. snapshot creation, administration, deletion (use of snapshots for error detection or correction G06F 11/14, G06F 11/16)}	
N	G06F 16/13	2	File access structures, e.g. distributed indices (arrangements of input from, or output to, record carriers G06F 3/06)	
N	G06F 16/134	3	{Distributed indices}	
N	G06F 16/137	3	{Hash-based (content-based indexing of textual data G06F 16/31)}	
N	G06F 16/14	2	Details of searching files based on file metadata	
N	G06F 16/144	3	{Query formulation}	
N	G06F 16/148	3	{File search processing}	

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N	G06F 16/152	4	{using file content signatures, e.g. hash values}	
N	G06F 16/156	3	{Query results presentation}	
N	G06F 16/16	2	File or folder operations, e.g. details of user interfaces specifically adapted to file systems	
N	G06F 16/162	3	{Delete operations (erasing in storage systems G06F 3/0652)}	
N	G06F 16/164	3	{File meta data generation}	
N	G06F 16/166	4	{File name conversion}	
N	G06F 16/168	3	{Details of user interfaces specifically adapted to file systems, e.g. browsing and visualisation, 2d or 3d GUIs (query results presentation G06F 16/156)}	
N	G06F 16/17	2	Details of further file system functions	
N	G06F 16/172	3	Caching, prefetching or hoarding of files	
N	G06F 16/1724	3	{Details of de-fragmentation performed by the file system (saving storage space on storage systems G06F 3/0608; management of blocks in storage devices G06F 3/064)}	
N	G06F 16/1727	3	{Details of free space management performed by the file system (saving storage space on storage systems G06F 3/0608; management of blocks in storage devices G06F 3/064)}	
N	G06F 16/173	3	{Customisation support for file systems, e.g. localisation, multi-language support, personalisation}	
N	G06F 16/1734	3	{Details of monitoring file system events, e.g. by the use of hooks, filter drivers, logs}	
N	G06F 16/1737	3	{for reducing power consumption or coping with limited storage space, e.g. in mobile devices (saving storage space on storage devices G06F 3/0608; power saving in storage systems G06F 3/0625)}	
N	G06F 16/174	3	Redundancy elimination performed by the file system (management of the data involved in backup or backup restore using de-duplication of the data G06F 11/14)	
N	G06F 16/1744	4	{using compression, e.g. sparse files}	



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N	G06F 16/1748	4	{De-duplication implemented within the file system, e.g. based on file segments (de-duplication techniques in storage systems for the management of data blocks G06F 3/0641)}	
N	G06F 16/1752	5	{based on file chunks}	
N	G06F 16/1756	5	{based on delta files}	
N	G06F 16/176	3	Support for shared access to files; File sharing support	
N	G06F 16/1767	4	{Concurrency control, e.g. optimistic or pessimistic approaches}	
N	G06F 16/1774	5	{Locking methods, e.g. locking methods for file systems allowing shared and concurrent access to files}	
N	G06F 16/178	3	Techniques for file synchronisation in file systems	
N	G06F 16/1787	4	{Details of non-transparently synchronising file systems}	
Q	G06F 16/1794	4	{Details of file format conversion}	G06F 16/1794, G06F 16/258
N	G06F 16/18	2	File system types	
N	G06F 16/1805	3	{Append-only file systems, e.g. using logs or journals to store data}	
N	G06F 16/181	4	{providing write once read many [WORM] semantics}	
N	G06F 16/1815	4	{Journaling file systems}	
N	G06F 16/182	3	Distributed file systems	
N	G06F 16/1824	4	{implemented using Network-attached Storage [NAS] architecture (distributed or networked storage systems G06F 3/067; protocols for distributed storage of data in a network H04L 67/1097)}	
N	G06F 16/1827	5	{Management specifically adapted to NAS (management of storage area networks [SAN] G06F 3/067)}	
N	G06F 16/183	5	{Provision of network file services by network file servers, e.g. by using NFS, CIFS (network file access protocols H04L 67/1097)}	
N	G06F 16/1834	4	{implemented based on peer-to-peer networks, e.g. gnutella (p2p communication protocols H04L 67/104)}	

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N	G06F 16/1837	5	{Management specially adapted to peer-to-peer storage networks (topology management mechanisms of peer-to-peer networks H04L 67/1042)}	
N	G06F 16/184	4	{implemented as replicated file system}	
N	G06F 16/1844	5	{Management specifically adapted to replicated file systems}	
N	G06F 16/1847	3	{specifically adapted to static storage, e.g. adapted to flash memory or SSD}	
N	G06F 16/185	3	Hierarchical storage management [HSM] systems, e.g. file migration or policies thereof (details of archiving G06F 16/11)	
N	G06F 16/1858	3	{Parallel file systems, i.e. file systems supporting multiple processors}	
N	G06F 16/1865	3	{Transactional file systems}	
N	G06F 16/1873	3	{Versioning file systems, temporal file systems, e.g. file system supporting different historic versions of files}	
N	G06F 16/188	3	Virtual file systems	
N	G06F 16/192	4	{Implementing virtual folder structures}	
N	G06F 16/196	4	{Specific adaptations of the file system to access devices and non-file objects via standard file system access operations, e.g. pseudo file systems (dedicated interfaces to storage systems G06F 3/0601)}	
N	G06F 16/20	1	of structured data, e.g. relational data	
N	G06F 16/21	2	Design, administration or maintenance of databases	
N	G06F 16/211	3	{Schema design and management}	
N	G06F 16/212	4	{with details for data modelling support}	
N	G06F 16/213	4	{with details for schema evolution support}	
N	G06F 16/214	3	{Database migration support}	
N	G06F 16/215	3	Improving data quality; Data cleansing, e.g. de-duplication, removing invalid entries or correcting typographical errors	

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N	G06F 16/217	3	{Database tuning (G06F 16/2282 takes precedence; database performance monitoring G06F 11/3409)}	
N	G06F 16/219	3	{Managing data history or versioning (querying versioned data G06F 16/2474; querying temporal data G06F 16/2477)}	
N	G06F 16/22	2	Indexing; Data structures therefor; Storage structures	
N	G06F 16/221	3	{Column-oriented storage; Management thereof}	
N	G06F 16/2219	3	{Large Object storage; Management thereof}	
N	G06F 16/2228	3	{Indexing structures}	
N	G06F 16/2237	4	{Vectors, bitmaps or matrices}	
N	G06F 16/2246	4	{Trees, e.g. B+trees}	
N	G06F 16/2255	4	{Hash tables}	
N	G06F 16/2264	4	{Multidimensional index structures}	
N	G06F 16/2272	4	{Management thereof}	
N	G06F 16/2282	3	{Tablespace storage structures; Management thereof}	
N	G06F 16/2291	3	{User-Defined Types; Storage management thereof}	
Q	G06F 16/23	2	Updating	G06F 16/23, G06F 16/25
Q	G06F 16/2308	3	{Concurrency control (transaction processing G06F 9/466)}	G06F 16/2308, G06F 16/2315, G06F 16/2322, G06F 16/2329, G06F 16/2336, G06F 16/2343
N	G06F 16/2315	4	{Optimistic concurrency control}	
N	G06F 16/2322	5	{using timestamps}	
N	G06F 16/2329	5	{using versioning}	
N	G06F 16/2336	4	{Pessimistic concurrency control approaches, e.g. locking or multiple versions without time stamps}	
N	G06F 16/2343	5	{Locking methods, e.g. distributed locking or locking implementation details}	
N	G06F 16/235	3	{Update request formulation}	
N	G06F 16/2358	3	{Change logging, detection, and notification (replication G06F 16/27)}	

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N	G06F 16/2365	3	{Ensuring data consistency and integrity}	
N	G06F 16/2372	3	{Updates performed during offline database operations}	
N	G06F 16/2379	3	{Updates performed during online database operations; commit processing}	
N	G06F 16/2386	4	{Bulk updating operations (data conversion details G06F 16/258)}	
N	G06F 16/2393	3	{Updating materialised views}	
N	G06F 16/24	2	Querying	
N	G06F 16/242	3	Query formulation	
N	G06F 16/2423	4	{Interactive query statement specification based on a database schema}	
N	G06F 16/2425	4	{Iterative querying; Query formulation based on the results of a preceding query}	
N	G06F 16/2428	4	{Query predicate definition using graphical user interfaces, including menus and forms (G06F 16/2423 takes precedence)}	
N	G06F 16/243	4	{Natural language query formulation}	
N	G06F 16/2433	4	{Query languages}	
N	G06F 16/2435	5	{Active constructs}	
N	G06F 16/2438	5	{Embedded query languages}	
N	G06F 16/244	5	{Grouping and aggregation}	
N	G06F 16/2443	5	{Stored procedures}	
N	G06F 16/2445	5	{Data retrieval commands; View definitions}	
N	G06F 16/2448	5	{for particular applications; for extensibility, e.g. user defined types}	
N	G06F 16/245	3	Query processing	
N	G06F 16/2452	4	Query translation	
N	G06F 16/24522	5	{Translation of natural language queries to structured queries}	
N	G06F 16/24524	5	{Access plan code generation and invalidation; Reuse of access plans}	
N	G06F 16/24526	5	{Internal representations for queries}	
N	G06F 16/24528	5	{Standardisation; Simplification}	
N	G06F 16/2453	4	Query optimisation	
N	G06F 16/24532	5	{of parallel queries}	
N	G06F 16/24534	5	{Query rewriting; Transformation}	
N	G06F 16/24535	6	{of sub-queries or views}	
N	G06F 16/24537	6	{of operators}	

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N	G06F 16/24539	6	{using cached or materialised query results}	
N	G06F 16/2454	6	{Optimisation of common expressions}	
N	G06F 16/24542	6	{Plan optimisation}	
N	G06F 16/24544	7	{Join order optimisation}	
N	G06F 16/24545	7	{Selectivity estimation or determination}	
N	G06F 16/24547	6	{Optimisations to support specific applications; Extensibility of optimisers}	
N	G06F 16/24549	6	{Run-time optimisation}	
N	G06F 16/2455	4	Query execution	
N	G06F 16/24552	5	{Database cache management}	
N	G06F 16/24553	5	{of query operations}	
N	G06F 16/24554	6	{Unary operations; Data partitioning operations}	
N	G06F 16/24556	7	{Aggregation; Duplicate elimination}	
N	G06F 16/24557	7	{Efficient disk access during query execution}	
N	G06F 16/24558	6	{Binary matching operations}	
N	G06F 16/2456	7	{Join operations}	
N	G06F 16/24561	6	{Intermediate data storage techniques for performance improvement}	
N	G06F 16/24562	6	{Pointer or reference processing operations}	
N	G06F 16/24564	5	{Applying rules; Deductive queries}	
N	G06F 16/24565	6	{Triggers; Constraints}	
N	G06F 16/24566	6	{Recursive queries}	
N	G06F 16/24568	5	{Data stream processing; Continuous queries}	
N	G06F 16/24569	4	{Query processing with adaptation to specific hardware, e.g. adapted for using GPUs or SSDs}	
N	G06F 16/2457	4	with adaptation to user needs	
N	G06F 16/24573	5	{using data annotations, e.g. user-defined metadata}	
N	G06F 16/24575	5	{using context}	
N	G06F 16/24578	5	{using ranking}	
N	G06F 16/2458	4	Special types of queries, e.g. statistical queries, fuzzy queries or distributed queries	
N	G06F 16/2462	5	{Approximate or statistical queries}	
N	G06F 16/2465	5	{Query processing support for facilitating data mining operations in structured databases}	

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N	G06F 16/2468	5	{Fuzzy queries}	
N	G06F 16/2471	5	{Distributed queries}	
N	G06F 16/2474	5	{Sequence data queries, e.g. querying versioned data}	
N	G06F 16/2477	5	{Temporal data queries}	
N	G06F 16/248	3	Presentation of query results	
N	G06F 16/25	2	Integrating or interfacing systems involving database management systems	
N	G06F 16/252	3	{between a Database Management System and a front-end application}	
N	G06F 16/254	3	{Extract, transform and load [ETL] procedures, e.g. ETL data flows in data warehouses}	
N	G06F 16/256	3	{in federated or virtual databases}	
N	G06F 16/258	3	{Data format conversion from or to a database}	
N	G06F 16/26	2	Visual data mining; Browsing structured data	
Q	G06F 16/27	2	Replication, distribution or synchronisation of data between databases or within a distributed database system; Distributed database system architectures therefor	G06F 16/27, G06F 16/273, G06F 16/275, G06F 16/278
N	G06F 16/273	3	{Asynchronous replication or reconciliation}	
N	G06F 16/275	3	{Synchronous replication}	
N	G06F 16/278	3	{Data partitioning, e.g. horizontal or vertical partitioning}	
N	G06F 16/28	2	Databases characterised by their database models, e.g. relational or object models	
N	G06F 16/282	3	{Hierarchical databases, e.g. IMS, LDAP data stores or Lotus Notes}	
N	G06F 16/283	3	{Multi-dimensional databases or data warehouses, e.g. MOLAP or ROLAP}	
N	G06F 16/284	3	{Relational databases}	
N	G06F 16/285	4	{Clustering or classification}	
N	G06F 16/287	5	{Visualization; Browsing}	
N	G06F 16/288	4	{Entity relationship models}	
N	G06F 16/289	3	{Object oriented databases}	
N	G06F 16/29	2	Geographical information databases	
N	G06F 16/30	1	of unstructured textual data (document management systems G06F 16/93)	

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N	G06F 16/31	2	Indexing; Data structures therefor; Storage structures	
N	G06F 16/313	3	{Selection or weighting of terms for indexing}	
N	G06F 16/316	3	{Indexing structures}	
N	G06F 16/319	4	{Inverted lists}	
N	G06F 16/322	4	{Trees}	
N	G06F 16/325	4	{Hash tables}	
N	G06F 16/328	4	{Management therefor}	
N	G06F 16/33	2	Querying	
N	G06F 16/332	3	Query formulation	
N	G06F 16/3322	4	{using system suggestions (G06F 16/3325 takes precedence)}	
N	G06F 16/3323	5	{using document space presentation or visualization, e.g. category, hierarchy or range presentation and selection}	
N	G06F 16/3325	4	{Reformulation based on results of preceding query}	
N	G06F 16/3326	5	{using relevance feedback from the user, e.g. relevance feedback on documents, documents sets, document terms or passages}	
N	G06F 16/3328	6	{using graphical result space presentation or visualisation}	
N	G06F 16/3329	4	{Natural language query formulation or dialogue systems}	
N	G06F 16/3331	3	{Query processing}	
N	G06F 16/3332	4	{Query translation}	
N	G06F 16/3334	5	{Selection or weighting of terms from queries, including natural language queries}	
N	G06F 16/3335	5	{Syntactic pre-processing, e.g. stopword elimination, stemming}	
N	G06F 16/3337	5	{Translation of the query language, e.g. Chinese to English}	
N	G06F 16/3338	5	{Query expansion}	
N	G06F 16/334	4	{Query execution (G06F 16/335 takes precedence)}	
N	G06F 16/3341	5	{using boolean model}	
N	G06F 16/3343	5	{using phonetics}	
N	G06F 16/3344	5	{using natural language analysis}	
N	G06F 16/3346	5	{using probabilistic model}	
N	G06F 16/3347	5	{using vector based model}	
N	G06F 16/3349	4	{Reuse of stored results of previous queries}	

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N	G06F 16/335	3	Filtering based on additional data, e.g. user or group profiles (filtering in web context G06F 16/9535, G06F 16/9536)	
N	G06F 16/337	4	{Profile generation, learning or modification}	
N	G06F 16/338	3	Presentation of query results	
N	G06F 16/34	2	Browsing; Visualisation therefor	
N	G06F 16/345	3	{Summarisation for human users}	
N	G06F 16/35	2	Clustering; Classification	
N	G06F 16/353	3	{into predefined classes}	
N	G06F 16/355	3	{Class or cluster creation or modification}	
N	G06F 16/358	3	{Browsing; Visualisation therefor}	
N	G06F 16/36	2	Creation of semantic tools, e.g. ontology or thesauri	
N	G06F 16/367	3	{Ontology}	
N	G06F 16/374	3	{Thesaurus}	
Q	G06F 16/38	2	Retrieval characterised by using metadata, e.g. metadata not derived from the content or metadata generated manually	G06F 16/38, G06F 16/383, G06F 16/387
N	G06F 16/381	3	{using identifiers, e.g. barcodes, RFIDs (for URLs G06F 16/9554)}	
N	G06F 16/382	3	{using citations (hypermedia G06F 16/94)}	
N	G06F 16/383	3	using metadata automatically derived from the content	
N	G06F 16/387	3	using geographical or spatial information, e.g. location	
Q	G06F 16/40	1	of multimedia data, e.g. slideshows comprising image and additional audio data (retrieval of still image data G06F 16/50; retrieval of audio data G06F 16/60; retrieval of video data G06F 16/70)	G06F 16/40, G06F 16/45, G06F 16/48, G06F 16/483, G06F 16/487, G06F 16/489
N	G06F 16/41	2	Indexing; Data structures therefor; Storage structures	
Q	G06F 16/43	2	Querying	G06F 16/43, G06F 16/432, G06F 16/48, G06F 16/483, G06F 16/487, G06F 16/489
N	G06F 16/432	3	Query formulation	
N	G06F 16/433	4	{using audio data}	



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N	G06F 16/434	4	{using image data, e.g. images, photos, pictures taken by a user}	
N	G06F 16/435	3	Filtering based on additional data, e.g. user or group profiles	
N	G06F 16/436	4	{using biological or physiological data of a human being, e.g. blood pressure, facial expression, gestures}	
N	G06F 16/437	4	{Administration of user profiles, e.g. generation, initialisation, adaptation, distribution}	
N	G06F 16/438	3	Presentation of query results	
N	G06F 16/4387	4	{by the use of playlists}	
N	G06F 16/4393	5	{Multimedia presentations, e.g. slide shows, multimedia albums}	
N	G06F 16/44	2	Browsing; Visualisation therefor	
N	G06F 16/444	3	{Spatial browsing, e.g. 2D maps, 3D or virtual spaces}	
N	G06F 16/447	3	{Temporal browsing, e.g. timeline}	
N	G06F 16/45	2	Clustering; Classification	
N	G06F 16/48	2	Retrieval characterised by using metadata, e.g. metadata not derived from the content or metadata generated manually	
N	G06F 16/483	3	using metadata automatically derived from the content	
N	G06F 16/487	3	using geographical or spatial information, e.g. location	
N	G06F 16/489	3	{using time information}	
Q	G06F 16/50	1	of still image data	G06F 16/50, G06F 16/53, G06F 16/532, G06F 16/535, G06F 16/538, G06F 16/55
N	G06F 16/51	2	Indexing; Data structures therefor; Storage structures	
N	G06F 16/53	2	Querying	
N	G06F 16/532	3	Query formulation, e.g. graphical querying	
N	G06F 16/535	3	Filtering based on additional data, e.g. user or group profiles	
N	G06F 16/538	3	Presentation of query results	
N	G06F 16/54	2	Browsing; Visualisation therefor	
N	G06F 16/55	2	Clustering; Classification	
N	G06F 16/56	2	having vectorial format	

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Q	G06F 16/58	2	Retrieval characterised by using metadata, e.g. metadata not derived from the content or metadata generated manually	G06F 16/58, G06F 16/587
N	G06F 16/583	3	using metadata automatically derived from the content	
Q	G06F 16/5838	4	{using colour}	G06F 16/5838, G06F 16/5846, G06F 16/5854, G06F 16/5862
N	G06F 16/5846	4	{using extracted text}	
N	G06F 16/5854	4	{using shape and object relationship}	
N	G06F 16/5862	4	{using texture}	
Q	G06F 16/5866	3	{using information manually generated, e.g. tags, keywords, comments, manually generated location and time information}	G06F 16/5866, G06F 16/587
N	G06F 16/587	3	using geographical or spatial information, e.g. location	
Q	G06F 16/60	1	of audio data	G06F 16/60, G06F 16/63, G06F 16/65
N	G06F 16/61	2	Indexing; Data structures therefor; Storage structures	
N	G06F 16/63	2	Querying	
N	G06F 16/632	3	Query formulation	
N	G06F 16/634	4	{Query by example, e.g. query by humming}	
N	G06F 16/635	3	Filtering based on additional data, e.g. user or group profiles	
N	G06F 16/636	4	{by using biological or physiological data}	
N	G06F 16/637	4	{Administration of user profiles, e.g. generation, initialization, adaptation or distribution}	
N	G06F 16/638	3	Presentation of query results	
N	G06F 16/639	4	{using playlists}	
N	G06F 16/64	2	Browsing; Visualisation therefor (generation of a list or set of audio data G06F 16/638)	
N	G06F 16/65	2	Clustering; Classification	
Q	G06F 16/68	2	Retrieval characterised by using metadata, e.g. metadata not derived from the content or metadata generated manually	G06F 16/68, G06F 16/687

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N	G06F 16/683	3	using metadata automatically derived from the content	
N	G06F 16/685	4	{using automatically derived transcript of audio data, e.g. lyrics (speech recognition G10L15/00)}	
Q	G06F 16/686	3	{using information manually generated, e.g. tags, keywords, comments, title or artist information, time, location or usage information, user ratings}	G06F 16/686, G06F 16/687
N	G06F 16/687	3	using geographical or spatial information, e.g. location	
Q	G06F 16/70	1	of video data	G06F 16/70, G06F 16/75
N	G06F 16/71	2	Indexing; Data structures therefor; Storage structures	
Q	G06F 16/73	2	Querying	G06F 16/73, G06F 16/732
N	G06F 16/732	3	Query formulation	
N	G06F 16/7328	4	{Query by example, e.g. a complete video frame or video sequence (graphical querying G06F 16/7335)}	
N	G06F 16/7335	4	{Graphical querying, e.g. query-by-region, query-by-sketch, query-by-trajectory, GUIs for designating a person/face/object as a query predicate (end-user interface involving hot spots associated with the video H04N21/4725; end-user interface for selecting a Region of Interest H04N21/4728)}	
N	G06F 16/7343	4	{Query language or query format}	
N	G06F 16/735	3	Filtering based on additional data, e.g. user or group profiles	
N	G06F 16/738	3	Presentation of query results	
N	G06F 16/739	4	{in form of a video summary, e.g. the video summary being a video sequence, a composite still image or having synthesized frames}	
N	G06F 16/74	2	Browsing; Visualisation therefor (end-user interfaces for requesting or interacting with video content, e.g. video on demand interfaces or electronic program guides, H04N 21/472)	

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N	G06F 16/743	3	{a collection of video files or sequences}	
N	G06F 16/745	3	{the internal structure of a single video sequence}	
N	G06F 16/748	3	{Hypervideo (linking data to content, e.g. by linking an URL to a video object in the context of video distribution systems H04N 21/858)}	
N	G06F 16/75	2	Clustering; Classification	
Q	G06F 16/78	2	Retrieval characterised by using metadata, e.g. metadata not derived from the content or metadata generated manually	G06F 16/78, G06F 16/787
N	G06F 16/783	3	using metadata automatically derived from the content	
N	G06F 16/7834	4	{using audio features}	
N	G06F 16/7837	4	{using objects detected or recognised in the video content}	
N	G06F 16/784	5	{the detected or recognised objects being people}	
N	G06F 16/7844	4	{using original textual content or text extracted from visual content or transcript of audio data}	
N	G06F 16/7847	4	{using low-level visual features of the video content}	
N	G06F 16/785	5	{using colour or luminescence}	
N	G06F 16/7854	5	{using shape (G06F 16/7837 takes precedence)}	
N	G06F 16/7857	5	{using texture (G06F 16/7837 takes precedence)}	
N	G06F 16/786	5	{using motion, e.g. object motion or camera motion}	
N	G06F 16/7864	5	{using domain-transform features, e.g. DCT or wavelet transform coefficients}	
Q	G06F 16/7867	3	{using information manually generated, e.g. tags, keywords, comments, title and artist information, manually generated time, location and usage information, user ratings}	G06F 16/7867 G06F 16/787
N	G06F 16/787	3	using geographical or spatial information, e.g. location	

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N	G06F 16/80	1	of semi-structured data, e.g. markup language structured data such as SGML, XML or HTML (content-based retrieval of web data G06F 16/95)	
N	G06F 16/81	2	Indexing, e.g. XML tags; Data structures therefor; Storage structures	
Q	G06F 16/83	2	Querying	G06F 16/81, G06F 16/83, G06F 16/835
N	G06F 16/832	3	Query formulation	
N	G06F 16/835	3	Query processing	
N	G06F 16/8358	4	{Query translation}	
N	G06F 16/8365	4	{Query optimisation}	
N	G06F 16/8373	4	{Query execution}	
N	G06F 16/838	3	Presentation of query results	
N	G06F 16/84	2	Mapping; Conversion	
N	G06F 16/86	3	{Mapping to a database}	
N	G06F 16/88	3	{Mark-up to mark-up conversion (conversion for visualization in web browsing G06F 16/9577)}	
Q	G06F 16/90	1	Details of database functions independent of the retrieved data types	G06F 16/90, G06F 16/906
N	G06F 16/901	2	Indexing; Data structures therefor; Storage structures (for retrieval from the web G06F 16/951)	
N	G06F 16/9014	3	{hash tables}	
N	G06F 16/9017	3	{using directory or table look-up (use of a directory or look-up table in file systems G06F 16/13)}	
N	G06F 16/902	4	{using more than one table in sequence, i.e. systems with three or more layers}	
N	G06F 16/9024	3	{Graphs; Linked lists (G06F 16/9027 takes precedence)}	
N	G06F 16/9027	3	{Trees}	
Q	G06F 16/903	2	Querying (for retrieval from the web G06F 16/953)	G06F 16/903, G06F 16/9035
N	G06F 16/9032	3	Query formulation	
N	G06F 16/90324	4	{using system suggestions}	
N	G06F 16/90328	5	{using search space presentation or visualization, e.g. category or range presentation and selection}	
N	G06F 16/90332	4	{Natural language query formulation or dialogue systems}	

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N	G06F 16/90335	3	{Query processing}	
N	G06F 16/90339	4	{by using parallel associative memories or content-addressable memories}	
N	G06F 16/90344	4	{by using string matching techniques}	
N	G06F 16/90348	4	{by searching ordered data, e.g. alpha-numerically ordered data}	
N	G06F 16/9035	3	Filtering based on additional data, e.g. user or group profiles	
N	G06F 16/9038	3	Presentation of query results	
N	G06F 16/904	2	Browsing; Visualisation therefor (for navigating the web G06F 16/954; browsing optimisation for the web G06F 16/957)	
N	G06F 16/906	2	Clustering; Classification	
Q	G06F 16/907	2	Retrieval characterised by using metadata, e.g. metadata not derived from the content or metadata generated manually	G06F 16/907, G06F 16/908, G06F 16/909
N	G06F 16/908	3	using metadata automatically derived from the content	
N	G06F 16/909	3	using geographical or spatial information, e.g. location (spatiotemporally dependent retrieval from the web G06F 16/9537)	
N	G06F 16/93	2	Document management systems	
N	G06F 16/94	3	{Hypermedia (hyperlinking within text processing G06F 17/2235)}	
N	G06F 16/95	2	Retrieval from the web	
Q	G06F 16/951	3	Indexing; Web crawling techniques	G06F 16/951, G06F 16/953, G06F 16/9532, G06F 16/9538
N	G06F 16/953	3	Querying, e.g. by the use of web search engines	
N	G06F 16/9532	4	Query formulation	
Q	G06F 16/9535	4	Search customisation based on user profiles and personalisation	G06F 16/9535, G06F 16/9536, G06F 16/9538
N	G06F 16/9536	4	Search customisation based on social or collaborative filtering	
N	G06F 16/9537	4	Spatial or temporal dependent retrieval, e.g. spatiotemporal queries	
N	G06F 16/9538	4	Presentation of query results	
N	G06F 16/954	3	Navigation, e.g. using categorised browsing	

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N	G06F 16/955	3	using information identifiers, e.g. uniform resource locators [URL]	
N	G06F 16/9554	4	{by using bar codes}	
N	G06F 16/9558	4	{Details of hyperlinks; Management of linked annotations}	
N	G06F 16/9562	4	{Bookmark management}	
N	G06F 16/9566	4	{URL specific, e.g. using aliases, detecting broken or misspelled links}	
N	G06F 16/957	3	Browsing optimisation, e.g. caching or content distillation	
N	G06F 16/9574	4	{of access to content, e.g. by caching}	
N	G06F 16/9577	4	{Optimising the visualization of content, e.g. distillation of HTML documents}	
N	G06F 16/958	3	Organisation or management of web site content, e.g. publishing, maintaining pages or automatic linking	
N	G06F 16/972	4	{Access to data in other repository systems, e.g. legacy data or dynamic Web page generation}	
N	G06F 16/986	4	{Document structures and storage, e.g. HTML extensions}	
M	G06F 17/00	0	Digital computing or data processing equipment or methods, specially adapted for specific functions (information retrieval, database structures or file system structures therefor G06F 16/00)	
D	G06F 17/30	1	Information retrieval; Database structures therefor {; File system structures therefor (data processing systems or methods specially adapted for administrative, commercial, financial managerial, supervisory or forecasting purposes G06Q)}	<administrative transfer to G06F 16/00>
D	G06F 17/30002	2	{Interfaces; Database management systems; Updating}	<administrative transfer to G06F 16/23>
D	G06F 17/30005	3	{File format conversion (code conversion circuits or methods H03M 5/00, H03M 7/00)}	<administrative transfer to G06F 16/1794>
D	G06F 17/30008	2	{Concurrency control and recovery (G06F 11/1402 takes precedence; transaction processing G06F 9/466)}	<administrative transfer to G06F 16/2308>

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D	G06F 17/30011	2	{Document retrieval systems }	<administrative transfer to G06F 16/93>
D	G06F 17/30014	3	{Hypermedia (hyperlinking within text processing G06F 17/2235)}	<administrative transfer to G06F 16/94>
D	G06F 17/30017	2	{Multimedia data retrieval; Retrieval of more than one type of audiovisual media (retrieval of image data G06F 17/30244; retrieval of video data G06F 17/30781; retrieval of audio data G06F 17/3074; editing or indexing of data stored based on relative movement between record carrier and transducer G11B 27/00)}	<administrative transfer to G06F 16/40>
D	G06F 17/3002	3	{Indexing (indexing by using information signals detectable on the record carrier and recorded by the same method as the main recording G11B 27/28)}	<administrative transfer to G06F 16/41>
D	G06F 17/30023	3	{Querying (programmed access in sequence to addressed parts of tracks of operating discs G11B 27/105)}	<administrative transfer to G06F 16/43>
D	G06F 17/30026	4	{using audio data (details of audio retrieval G06F 17/3074; general determination or detection of speech characteristics G10L 25/00; speech recognition G10L 15/00; speaker recognition G10L 17/00; electrophonic musical instruments G10H)}	<administrative transfer to G06F 16/433>
D	G06F 17/30029	4	{by filtering; by personalisation, e.g. querying making use of user profiles }	<administrative transfer to G06F 16/435>
D	G06F 17/30032	5	{using biological or physiological data of a human being, e.g. blood pressure, facial expression, gestures }	<administrative transfer to G06F 16/436>
D	G06F 17/30035	5	{Administration of user profiles, e.g. generation, initialisation, adaptation, distribution }	<administrative transfer to G06F 16/437>
D	G06F 17/30038	4	{based on information manually generated or based on information not derived from the media content, e.g. tags, keywords, comments, usage information, user ratings }	<administrative transfer to G06F 16/48>
D	G06F 17/30041	5	{using location information }	<administrative transfer to G06F 16/487>



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D	G06F 17/30044	5	{using time information }	<administrative transfer to G06F 16/489>
D	G06F 17/30047	4	{using image data, e.g. images, photos, pictures taken by a user }	<administrative transfer to G06F 16/434>
D	G06F 17/3005	3	{Presentation of query results (menu, index or table of content presentation of record carriers G11B 27/32, G11B 27/34)}	<administrative transfer to G06F 16/438>
D	G06F 17/30053	4	{by the use of playlists }	<administrative transfer to G06F 16/4387>
D	G06F 17/30056	5	{Multimedia presentations, e.g. slide shows, multimedia albums }	<administrative transfer to G06F 16/4393>
D	G06F 17/30058	3	{Retrieval by browsing and visualisation of multimedia data (trick modes G11B 27/005; browsing through video recorded on operating discs G11B 27/105)}	<administrative transfer to G06F 16/44>
D	G06F 17/30061	4	{Spatial browsing, e.g. 2D maps, 3D or virtual spaces (interaction with 3D GUI environments in general G06F 3/04815)}	<administrative transfer to G06F 16/444>
D	G06F 17/30064	4	{Temporal browsing, e.g. timeline }	<administrative transfer to G06F 16/447>
D	G06F 17/30067	2	{File systems; File servers (G06F 17/3061, G06F 17/30017, G06F 17/30244, G06F 17/3074, G06F 17/30781 take precedence; dedicated interfaces to storage systems G06F 3/0601; error detection, correction or monitoring G06F 11/00)}	<administrative transfer to G06F 16/10>
D	G06F 17/3007	3	{File system administration (file or folder operations G06F 17/30115)}	<administrative transfer to G06F 16/11>
D	G06F 17/30073	4	{Details of archiving (details of hierarchical storage management [HSM] systems G06F 17/30221; lifecycle management in storage systems G06F 3/0649; backup systems G06F 11/1446)}	<administrative transfer to G06F 16/113>
D	G06F 17/30076	4	{Details of conversion of file system types or formats (management of the data involved in backup or backup restore G06F 11/1448)}	<administrative transfer to G06F 16/116>

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D	G06F 17/30079	4	{Details of migration of file systems (migration mechanisms in storage systems G06F 3/0647)}	<administrative transfer to G06F 16/119>
D	G06F 17/30082	4	{Use of management policies (file migration policies for HSM systems G06F 17/30221; backup systems G06F 11/1446)}	<administrative transfer to G06F 16/122>
D	G06F 17/30085	5	{characterised by the use of retention policies (retention policies for HSM systems G06F 17/30221)}	<administrative transfer to G06F 16/125>
D	G06F 17/30088	4	{Details of file system snapshots on the file-level, e.g. snapshot creation, administration, deletion (use of snapshots for error detection or correction G06F 11/14, G06F 11/16)}	<administrative transfer to G06F 16/128>
D	G06F 17/30091	3	{File storage and access structures (management of files in storage systems G06F 3/0643)}	<administrative transfer to G06F 16/13>
D	G06F 17/30094	4	{Distributed indices}	<administrative transfer to G06F 16/134>
D	G06F 17/30097	4	{Hash-based (content-based indexing of textual data G06F 17/30613)}	<administrative transfer to G06F 16/137>
D	G06F 17/301	3	{Details of searching files based on file metadata}	<administrative transfer to G06F 16/14>
D	G06F 17/30103	4	{Query formulation}	<administrative transfer to G06F 16/144>
D	G06F 17/30106	4	{File search processing}	<administrative transfer to G06F 16/148>
D	G06F 17/30109	5	{using file content signatures, e.g. hash values}	<administrative transfer to G06F 16/152>
D	G06F 17/30112	4	{Query results presentation}	<administrative transfer to G06F 16/156>
D	G06F 17/30115	3	{File and folder operations}	<administrative transfer to G06F 16/16>
D	G06F 17/30117	4	{Delete operations (erasing in storage systems G06F 3/0652)}	<administrative transfer to G06F 16/162>

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D	G06F 17/3012	4	{File meta data generation}	<administrative transfer to G06F 16/164>
D	G06F 17/30123	5	{File name conversion (management of the data involved in backup or backup restore G06F 11/1448)}	<administrative transfer to G06F 16/166>
D	G06F 17/30126	4	{Details of user interfaces specifically adapted to file systems, e.g. browsing and visualisation, 2d or 3d GUIs (query results presentation G06F 17/30112; interaction techniques for graphical user interfaces G06F 3/048)}	<administrative transfer to G06F 16/168>
D	G06F 17/30129	3	{Details of further file system functionalities}	<administrative transfer to G06F 16/17>
D	G06F 17/30132	4	{Caching or prefetching or hoarding of files (caching for data retrieval from the Internet G06F 17/30902; caching for peripheral storage systems, e.g. disk cache G06F 12/0866; network-specific arrangements or communication protocols for caching H04L 67/2842)}	<administrative transfer to G06F 16/172>
D	G06F 17/30135	4	{Details of de-fragmentation performed by the file system (management of blocks in storage devices G06F 3/064; saving storage space on storage systems G06F 3/0608)}	<administrative transfer to G06F 16/1724>
D	G06F 17/30138	4	{Details of free space management performed by the file system (management of blocks in storage devices G06F 3/064; saving storage space on storage systems G06F 3/0608)}	<administrative transfer to G06F 16/1727>
D	G06F 17/30141	4	{Customisation support for file systems, e.g. localisation, multi-language support, personalisation}	<administrative transfer to G06F 16/173>
D	G06F 17/30144	4	{Details of monitoring file system events, e.g. by the use of hooks, filter drivers, logs}	<administrative transfer to G06F 16/1734>

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D	G06F 17/30147	4	{for reducing power consumption or coping with limited storage space, e.g. in mobile devices (saving storage space on storage devices G06F 3/0608; power saving in storage systems G06F 3/0625)}	<administrative transfer to G06F 16/1737>
D	G06F 17/3015	4	{Redundancy elimination performed by the file system (management of the data involved in backup or backup restore using de-duplication of the data G06F 11/1453)}	<administrative transfer to G06F 16/174>
D	G06F 17/30153	5	{using compression, e.g. sparse files (details of compression H03M 7/30; protocols for data compression H04L 69/04)}	<administrative transfer to G06F 16/1744>
D	G06F 17/30156	5	{De-duplication implemented within the file system, e.g. based on file segments (de-duplication techniques in storage systems for the management of data blocks G06F 3/0641)}	<administrative transfer to G06F 16/1748>
D	G06F 17/30159	6	{based on file chunks }	<administrative transfer to G06F 16/1752>
D	G06F 17/30162	6	{based on delta files }	<administrative transfer to G06F 16/1756>
D	G06F 17/30165	4	{Support for shared access to files, file-sharing support }	<administrative transfer to G06F 16/176>
D	G06F 17/30168	5	{Concurrency control, e.g. optimistic or pessimistic approaches }	<administrative transfer to G06F 16/1767>
D	G06F 17/30171	6	{Locking methods, e.g. locking methods for file systems allowing shared and concurrent access to files }	<administrative transfer to G06F 16/1774>
D	G06F 17/30174	4	{Techniques for file synchronisation in file systems (change detection G06F 17/30144; file management policies in general G06F 17/30082; distributed file systems G06F 17/30194; synchronisation of structured data G06F 17/30575; protocols for data synchronisation between network nodes H04L 67/1095)}	<administrative transfer to G06F 16/178>

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D	G06F 17/30176	5	{Details of non-transparently synchronising file systems}	<administrative transfer to G06F 16/1787>
D	G06F 17/30179	5	{Details of file format conversion}	<administrative transfer to G06F 16/1794>
D	G06F 17/30182	3	{File system types}	<administrative transfer to G06F 16/18>
D	G06F 17/30185	4	{Append-only file systems, e.g. using logs or journals to store data}	<administrative transfer to G06F 16/1805>
D	G06F 17/30188	5	{providing write once read many [WORM] semantics}	<administrative transfer to G06F 16/181>
D	G06F 17/30191	5	{Journaling file systems}	<administrative transfer to G06F 16/1815>
D	G06F 17/30194	4	{Distributed file systems}	<administrative transfer to G06F 16/182>
D	G06F 17/30197	5	{implemented using NAS architecture (distributed or networked storage systems G06F 3/067; protocols for distributed storage of data in a network H04L 67/1097)}	<administrative transfer to G06F 16/1824>
D	G06F 17/302	6	{Details of management specifically adapted to network area storage [NAS] (management of NAS or SAN G06F 3/067)}	<administrative transfer to G06F 16/1827>
D	G06F 17/30203	6	{Details of providing network file services by network file servers, e.g. by using NFS, CIFS (network file access protocols H04L 67/1097)}	<administrative transfer to G06F 16/183>
D	G06F 17/30206	5	{implemented based on peer-to-peer networks, e.g. gnutella (p2p communication protocols H04L 67/104)}	<administrative transfer to G06F 16/1834>
D	G06F 17/30209	6	{Details of management specifically adapted to peer-to-peer storage networks (topology management mechanisms of peer-to-peer networks H04L 67/1042)}	<administrative transfer to G06F 16/1837>
D	G06F 17/30212	5	{implemented as replicated file system}	<administrative transfer to G06F 16/184>

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D	G06F 17/30215	6	{Details of management specifically adapted to replicated file systems}	<administrative transfer to G06F 16/1844>
D	G06F 17/30218	4	{specifically adapted to static storage, e.g. adapted to flash memory, SSD (dedicated interfaces to non-volatile semiconductor memory device G06F 3/0679; dedicated interfaces to non-volatile semiconductor memory arrays G06F 3/0688)}	<administrative transfer to G06F 16/1847>
D	G06F 17/30221	4	{Details of hierarchical storage management [HSM] systems, e.g. file migration and policies thereof (details of archiving G06F 17/30073; life cycle management G06F 3/0649; hybrid storage combining heterogeneous device types G06F 3/0685)}	<administrative transfer to G06F 16/185>
D	G06F 17/30224	4	{Parallel file systems, i.e. file systems supporting multiple processors}	<administrative transfer to G06F 16/1858>
D	G06F 17/30227	4	{Transactional file systems (commit processing in structured data stores G06F 17/30377)}	<administrative transfer to G06F 16/1865>
D	G06F 17/3023	4	{Versioning file systems, temporal file systems, e.g. file system supporting different historic versions of, e.g. files}	<administrative transfer to G06F 16/1873>
D	G06F 17/30233	4	{Virtual file systems}	<administrative transfer to G06F 16/188>
D	G06F 17/30235	5	{Implementing virtual folder structures}	<administrative transfer to G06F 16/192>
D	G06F 17/30238	5	{Specific adaptations of the file system to access devices and non-file objects via standard file system access operations, e.g. pseudo file systems (dedicated interfaces to storage systems G06F 3/0601)}	<administrative transfer to G06F 16/196>
D	G06F 17/30241	2	{in geographical information databases (instruments for geographical navigation G01C 21/00; three dimensional geographic models G06T 17/05)}	<administrative transfer to G06F 16/29>
D	G06F 17/30244	2	{in image databases}	<administrative transfer to G06F 16/50>

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D	G06F 17/30247	3	{based on features automatically derived from the image data (pattern recognition G06K 9/00)}	<administrative transfer to G06F 16/583>
D	G06F 17/3025	4	{using colour}	<administrative transfer to G06F 16/5838>
D	G06F 17/30253	4	{using extracted text}	<administrative transfer to G06F 16/5846>
D	G06F 17/30256	4	{using a combination of image content features}	<administrative transfer to G06F 16/5838>
D	G06F 17/30259	4	{using shape and object relationship}	<administrative transfer to G06F 16/5854>
D	G06F 17/30262	4	{using texture}	<administrative transfer to G06F 16/5862>
D	G06F 17/30265	3	{based on information manually generated or based on information not derived from the image data}	<administrative transfer to G06F 16/58>
D	G06F 17/30268	4	{using information manually generated, e.g. tags, keywords, comments, manually generated location and time information}	<administrative transfer to G06F 16/5866>
D	G06F 17/30271	3	{the images having vectorial formats}	<administrative transfer to G06F 16/56>
D	G06F 17/30274	3	{by browsing}	<administrative transfer to G06F 16/54>
D	G06F 17/30277	3	{by graphical querying}	<administrative transfer to G06F 16/532>
D	G06F 17/3028	3	{data organisation and access thereof}	<administrative transfer to G06F 16/51>
D	G06F 17/30283	2	{using distributed data base systems, e.g. networks}	<administrative transfer to G06F 16/27>
D	G06F 17/30286	2	{in structured data stores}	<administrative transfer to G06F 16/20>
D	G06F 17/30289	3	{Database design, administration or maintenance}	<administrative transfer to G06F 16/21>

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D	G06F 17/30292	4	{Schema design and management}	<administrative transfer to G06F 16/211>
D	G06F 17/30294	5	{with details for data modelling support}	<administrative transfer to G06F 16/212>
D	G06F 17/30297	5	{with details for schema evolution support}	<administrative transfer to G06F 16/213>
D	G06F 17/303	4	{Database migration support}	<administrative transfer to G06F 16/214>
D	G06F 17/30303	4	{Improving data quality; Data cleansing}	<administrative transfer to G06F 16/215>
D	G06F 17/30306	4	{Database tuning (G06F 17/30339 takes precedence; database performance monitoring G06F 11/3409 )}	<administrative transfer to G06F 16/217>
D	G06F 17/30309	4	{Managing data history or versioning (querying temporal data G06F 17/30551; querying versioned data G06F 17/30548)}	<administrative transfer to G06F 16/219>
D	G06F 17/30312	3	{Storage and indexing structures; Management thereof}	<administrative transfer to G06F 16/22>
D	G06F 17/30315	4	{Column-oriented storage; Management thereof}	<administrative transfer to G06F 16/221>
D	G06F 17/30318	4	{Details of Large Object storage; Management thereof}	<administrative transfer to G06F 16/2219>
D	G06F 17/30321	4	{Indexing structures (indexing structures for unstructured textual data G06F 17/30619)}	<administrative transfer to G06F 16/2228>
D	G06F 17/30324	5	{Vectors, bitmaps or matrices}	<administrative transfer to G06F 16/2237>
D	G06F 17/30327	5	{Trees, e.g. B+trees}	<administrative transfer to G06F 16/2246>
D	G06F 17/3033	5	{Hash tables}	<administrative transfer to G06F 16/2255>
D	G06F 17/30333	5	{Multidimensional index structures}	<administrative transfer to G06F 16/2264>



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<b>Type*</b>	<b>Symbol</b>	<b>Indent Level Number of dots (e.g. 0, 1, 2)</b>	<b>Title “CPC only” text should normally be enclosed in {curly brackets}**</b>	<b>transferred to#</b>
D	G06F 17/30336	5	{indexing structure managing details}	<administrative transfer to G06F 16/2272>
D	G06F 17/30339	4	{Tablespace storage structures; Management thereof}	<administrative transfer to G06F 16/2282>
D	G06F 17/30342	4	{Details of User-Defined Types; Storage management thereof}	<administrative transfer to G06F 16/2291>
D	G06F 17/30345	3	{Update requests}	<administrative transfer to G06F 16/23>
D	G06F 17/30348	4	{Concurrency control (transaction processing G06F 9/466)}	<administrative transfer to G06F 16/2308>
D	G06F 17/30351	5	{Optimistic concurrency control}	<administrative transfer to G06F 16/2315>
D	G06F 17/30353	6	{using timestamps}	<administrative transfer to G06F 16/2322>
D	G06F 17/30356	6	{using versioning}	<administrative transfer to G06F 16/2329>
D	G06F 17/30359	5	{Pessimistic concurrency control approaches, e.g. locking, multiple versions without time stamps}	<administrative transfer to G06F 16/2336>
D	G06F 17/30362	6	{Locking methods, e.g. distributed locking, locking implementation details}	<administrative transfer to G06F 16/2343>
D	G06F 17/30365	4	{Update request formulation}	<administrative transfer to G06F 16/235>
D	G06F 17/30368	4	{Change logging, detection, and notification (replication G06F 17/30575)}	<administrative transfer to G06F 16/2358>
D	G06F 17/30371	4	{Ensuring data consistency and integrity}	<administrative transfer to G06F 16/2365>
D	G06F 17/30374	4	{Details of updates performed during offline database operations}	<administrative transfer to G06F 16/2372>
D	G06F 17/30377	4	{Details of updates performed during online database operations; commit processing}	<administrative transfer to G06F 16/2379>

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D	G06F 17/3038	5	{Details of bulk updating operations (data conversion details G06F 17/30569)}	<administrative transfer to G06F 16/2386>
D	G06F 17/30383	4	{Updating materialised views}	<administrative transfer to G06F 16/2393>
D	G06F 17/30386	3	{Retrieval requests}	<administrative transfer to G06F 16/24>
D	G06F 17/30389	4	{Query formulation (interaction techniques for graphical user interfaces G06F 3/048)}	<administrative transfer to G06F 16/242>
D	G06F 17/30392	5	{Interactive query statement specification based on a database schema}	<administrative transfer to G06F 16/2423>
D	G06F 17/30395	5	{Iterative querying; query formulation based on the results of a preceding query}	<administrative transfer to G06F 16/2425>
D	G06F 17/30398	5	{Query predicate definition using graphical user interfaces, including menus and forms (G06F 17/30392 takes precedence)}	<administrative transfer to G06F 16/2428>
D	G06F 17/30401	5	{Natural language query formulation (natural language analysis, translation, semantics G06F 17/27, G06F 17/28)}	<administrative transfer to G06F 16/243>
D	G06F 17/30404	5	{Query languages}	<administrative transfer to G06F 16/2433>
D	G06F 17/30407	6	{Active constructs}	<administrative transfer to G06F 16/2435>
D	G06F 17/3041	6	{Embedded query languages}	<administrative transfer to G06F 16/2438>
D	G06F 17/30412	6	{Grouping and aggregation}	<administrative transfer to G06F 16/244>
D	G06F 17/30415	6	{Stored procedures}	<administrative transfer to G06F 16/2443>
D	G06F 17/30418	6	{Data retrieval commands; view definitions}	<administrative transfer to G06F 16/2445>
D	G06F 17/30421	6	{for particular applications; for extensibility, e.g. user defined types}	<administrative transfer to G06F 16/2448>

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D	G06F 17/30424	4	{Query processing}	<administrative transfer to G06F 16/245>
D	G06F 17/30427	5	{Query translation}	<administrative transfer to G06F 16/2452>
D	G06F 17/3043	6	{Translation of natural language queries to structured queries (natural language analysis, translation, semantics G06F 17/27, G06F 17/28)}	<administrative transfer to G06F 16/24522>
D	G06F 17/30433	6	{Access plan code generation and invalidation; reuse of access plans}	<administrative transfer to G06F 16/24524>
D	G06F 17/30436	6	{Internal representations for queries}	<administrative transfer to G06F 16/24526>
D	G06F 17/30439	6	{Standardisation and Simplification}	<administrative transfer to G06F 16/24528>
D	G06F 17/30442	5	{Query optimisation}	<administrative transfer to G06F 16/2453>
D	G06F 17/30445	6	{for parallel queries}	<administrative transfer to G06F 16/24532>
D	G06F 17/30448	6	{Query rewriting and transformation}	<administrative transfer to G06F 16/24534>
D	G06F 17/30451	7	{of sub-queries or views}	<administrative transfer to G06F 16/24535>
D	G06F 17/30454	7	{of operators}	<administrative transfer to G06F 16/24537>
D	G06F 17/30457	7	{to use cached/materialised query results}	<administrative transfer to G06F 16/24539>
D	G06F 17/3046	7	{Optimising common expressions}	<administrative transfer to G06F 16/2454>
D	G06F 17/30463	7	{Plan optimisation}	<administrative transfer to G06F 16/24542>
D	G06F 17/30466	8	{Join order optimisation}	<administrative transfer to G06F 16/24544>

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D	G06F 17/30469	8	{Selectivity estimation or determination}	<administrative transfer to G06F 16/24545>
D	G06F 17/30471	7	{Optimisations to support specific applications; extensibility of optimisers}	<administrative transfer to G06F 16/24547>
D	G06F 17/30474	7	{Run-time optimisation}	<administrative transfer to G06F 16/24549>
D	G06F 17/30477	5	{Query execution}	<administrative transfer to G06F 16/2455>
D	G06F 17/3048	6	{Database cache management}	<administrative transfer to G06F 16/24552>
D	G06F 17/30483	6	{of query operations}	<administrative transfer to G06F 16/24553>
D	G06F 17/30486	7	{Unary operations; data partitioning operations}	<administrative transfer to G06F 16/24554>
D	G06F 17/30489	8	{Aggregation and duplicate elimination}	<administrative transfer to G06F 16/24556>
D	G06F 17/30492	8	{Efficient disk access during query execution}	<administrative transfer to G06F 16/24557>
D	G06F 17/30495	7	{Binary matching operations}	<administrative transfer to G06F 16/24558>
D	G06F 17/30498	8	{Join operations}	<administrative transfer to G06F 16/2456>
D	G06F 17/30501	7	{Intermediate data storage techniques for performance improvement}	<administrative transfer to G06F 16/24561>
D	G06F 17/30504	7	{Pointer and reference processing operations}	<administrative transfer to G06F 16/24562>
D	G06F 17/30507	6	{Applying rules; deductive queries}	<administrative transfer to G06F 16/24564>
D	G06F 17/3051	7	{Triggers and constraints}	<administrative transfer to G06F 16/24565>

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D	G06F 17/30513	7	{Recursive queries}	<administrative transfer to G06F 16/24566>
D	G06F 17/30516	6	{Data stream processing; continuous queries}	<administrative transfer to G06F 16/24568>
D	G06F 17/30519	5	{Query processing with adaptation to specific hardware, e.g. adapted for using GPUs or SSDs}	<administrative transfer to G06F 16/24569>
D	G06F 17/30522	5	{Query processing with adaptation to user needs}	<administrative transfer to G06F 16/2457>
D	G06F 17/30525	6	{using data annotations (user-defined metadata)}	<administrative transfer to G06F 16/24573>
D	G06F 17/30528	6	{using context}	<administrative transfer to G06F 16/24575>
D	G06F 17/3053	6	{using ranking}	<administrative transfer to G06F 16/24578>
D	G06F 17/30533	5	{Other types of queries}	<administrative transfer to G06F 16/2458>
D	G06F 17/30536	6	{Approximate and statistical query processing}	<administrative transfer to G06F 16/2462>
D	G06F 17/30539	6	{Query processing support for facilitating data mining operations in structured databases}	<administrative transfer to G06F 16/2465>
D	G06F 17/30542	6	{Fuzzy query processing}	<administrative transfer to G06F 16/2468>
D	G06F 17/30545	6	{Distributed queries}	<administrative transfer to G06F 16/2471>
D	G06F 17/30548	6	{Querying sequence data, e.g. querying versioned data}	<administrative transfer to G06F 16/2474>
D	G06F 17/30551	6	{Querying temporal data}	<administrative transfer to G06F 16/2477>
D	G06F 17/30554	4	{Query result display and visualisation}	<administrative transfer to G06F 16/248>

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D	G06F 17/30557	3	{Details of integrating or interfacing systems involving at least one database management system}	<administrative transfer to G06F 16/25>
D	G06F 17/3056	4	{between a Database Management System and a front-end application}	<administrative transfer to G06F 16/252>
D	G06F 17/30563	4	{Details for extract, transform and load [ETL] procedures, e.g. ETL data flows in data warehouses}	<administrative transfer to G06F 16/254>
D	G06F 17/30566	4	{in federated and virtual databases (distributed queries G06F 17/30545)}	<administrative transfer to G06F 16/256>
D	G06F 17/30569	4	{Details of data format conversion from or to a database}	<administrative transfer to G06F 16/258>
D	G06F 17/30572	3	{Visual data mining and browsing structured data}	<administrative transfer to G06F 16/26>
D	G06F 17/30575	3	{Replication, distribution or synchronisation of data between databases or within a distributed database; Distributed database system architectures therefor}	<administrative transfer to G06F 16/27>
D	G06F 17/30578	4	{Details of asynchronous replication and data reconciliation}	<administrative transfer to G06F 16/273>
D	G06F 17/30581	4	{Details of synchronous replication}	<administrative transfer to G06F 16/275>
D	G06F 17/30584	4	{Details of data partitioning, e.g. horizontal or vertical partitioning}	<administrative transfer to G06F 16/278>
D	G06F 17/30587	3	{Details of specialised database models}	<administrative transfer to G06F 16/28>
D	G06F 17/30589	4	{Hierarchical databases, e.g. IMS, LDAP data stores, Lotus Notes}	<administrative transfer to G06F 16/282>
D	G06F 17/30592	4	{Multi-dimensional databases and data warehouses, e.g. MOLAP, ROLAP}	<administrative transfer to G06F 16/283>
D	G06F 17/30595	4	{Relational databases}	<administrative transfer to G06F 16/284>
D	G06F 17/30598	5	{Clustering or classification (for textual data G06F 17/30705)}	<administrative transfer to G06F 16/285>

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D	G06F 17/30601	6	{including cluster or class visualization or browsing (for textual data G06F 17/30713)}	<administrative transfer to G06F 16/287>
D	G06F 17/30604	5	{Entity relationship models}	<administrative transfer to G06F 16/288>
D	G06F 17/30607	4	{Object oriented databases}	<administrative transfer to G06F 16/289>
D	G06F 17/3061	2	{of unstructured textual data (document management systems G06F 17/30011)}	<administrative transfer to G06F 16/30>
D	G06F 17/30613	3	{Indexing}	<administrative transfer to G06F 16/31>
D	G06F 17/30616	4	{Selection or weighting of terms for indexing (G06F 17/30663 takes precedence; for summarization G06F 17/30719)}	<administrative transfer to G06F 16/313>
D	G06F 17/30619	4	{indexing structures (indexing structures for structured data stores G06F 17/30321)}	<administrative transfer to G06F 16/316>
D	G06F 17/30622	5	{Inverted lists}	<administrative transfer to G06F 16/319>
D	G06F 17/30625	5	{Trees}	<administrative transfer to G06F 16/322>
D	G06F 17/30628	5	{Hash tables}	<administrative transfer to G06F 16/325>
D	G06F 17/30631	5	{Index managing details}	<administrative transfer to G06F 16/328>
D	G06F 17/30634	3	{Querying}	<administrative transfer to G06F 16/33>
D	G06F 17/30637	4	{Query formulation}	<administrative transfer to G06F 16/332>
D	G06F 17/3064	5	{using system suggestions (G06F 17/30646 takes precedence)}	<administrative transfer to G06F 16/3322>
D	G06F 17/30643	6	{using document space presentation or visualization, e.g. category, hierarchy or range presentation and selection}	<administrative transfer to G06F 16/3323>

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D	G06F 17/30646	5	{reformulation based on results of preceding query}	<administrative transfer to G06F 16/3325>
D	G06F 17/30648	6	{using relevance feedback from the user, e.g. relevance feedback on documents, documents sets, document terms or passages}	<administrative transfer to G06F 16/3326>
D	G06F 17/30651	7	{using graphical result space presentation or visualisation}	<administrative transfer to G06F 16/3328>
D	G06F 17/30654	5	{Natural language query formulation or dialogue systems}	<administrative transfer to G06F 16/3329>
D	G06F 17/30657	4	{Query processing}	<administrative transfer to G06F 16/3331>
D	G06F 17/3066	5	{Query translation}	<administrative transfer to G06F 16/3332>
D	G06F 17/30663	6	{Selection or weighting of terms from queries, including natural language queries}	<administrative transfer to G06F 16/3334>
D	G06F 17/30666	6	{Syntactic pre-processing steps, e.g. stopword elimination, stemming (lexical analysis G06F 17/277, G06F8/425)}	<administrative transfer to G06F 16/3335>
D	G06F 17/30669	6	{Translation of the query language, e.g. Chinese to English (language translation G06F 17/28)}	<administrative transfer to G06F 16/3337>
D	G06F 17/30672	6	{Query expansion}	<administrative transfer to G06F 16/3338>
D	G06F 17/30675	5	{Query execution (G06F 17/30699 takes precedence)}	<administrative transfer to G06F 16/334>
D	G06F 17/30678	6	{using boolean model}	<administrative transfer to G06F 16/3341>
D	G06F 17/30681	6	{using phonetics}	<administrative transfer to G06F 16/3343>
D	G06F 17/30684	6	{using natural language analysis}	<administrative transfer to G06F 16/3344>
D	G06F 17/30687	6	{using probabilistic model}	<administrative transfer to G06F 16/3346>



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D	G06F 17/3069	6	{using vector based model}	<administrative transfer to G06F 16/3347>
D	G06F 17/30693	5	{Reuse of stored results of previous queries (for formulation of new queries G06F 17/30646)}	<administrative transfer to G06F 16/3349>
D	G06F 17/30696	4	{Presentation or visualization of query results (G06F 17/30651 takes precedence; browsing or visualization of document space G06F 17/30716)}	<administrative transfer to G06F 16/338>
D	G06F 17/30699	3	{Filtering based on additional data, e.g. user or group profiles (filtering in web context G06F 17/30867)}	<administrative transfer to G06F 16/335>
D	G06F 17/30702	4	{Profile generation, learning or modification}	<administrative transfer to G06F 16/337>
D	G06F 17/30705	3	{Clustering or classification (manual classification G06F 17/30722)}	<administrative transfer to G06F 16/35>
D	G06F 17/30707	4	{into predefined classes}	<administrative transfer to G06F 16/353>
D	G06F 17/3071	4	{including class or cluster creation or modification}	<administrative transfer to G06F 16/355>
D	G06F 17/30713	4	{including cluster or class visualization or browsing}	<administrative transfer to G06F 16/358>
D	G06F 17/30716	3	{Browsing or visualization}	<administrative transfer to G06F 16/34>
D	G06F 17/30719	4	{Summarization for human users}	<administrative transfer to G06F 16/345>
D	G06F 17/30722	3	{based on associated metadata or manual classification, e.g. bibliographic data}	<administrative transfer to G06F 16/38>
D	G06F 17/30725	4	{using identifiers, e.g. barcodes, RFIDs (for URLs G06F 17/30879)}	<administrative transfer to G06F 16/381>
D	G06F 17/30728	4	{using citations (hypermedia G06F 17/30014)}	<administrative transfer to G06F 16/382>
D	G06F 17/30731	3	{Creation of semantic tools}	<administrative transfer to G06F 16/36>

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D	G06F 17/30734	4	{Ontology}	<administrative transfer to G06F 16/367>
D	G06F 17/30737	4	{Thesaurus}	<administrative transfer to G06F 16/374>
D	G06F 17/3074	2	{Audio data retrieval (retrieval of video data G06F 17/30781; retrieval of multimedia data G06F 17/30017; general determination or detection of speech characteristics G10L25/00; speech recognition G10L15/00; speaker recognition G10L17/00; electrophonic musical instruments G10H; editing or indexing of data stored based on relative movement between record carrier and transducer G11B27/00)}	<administrative transfer to G06F 16/60>
D	G06F 17/30743	3	{using features automatically derived from the audio content, e.g. descriptors, fingerprints, signatures, MEP-cepstral coefficients, musical score, tempo (content oriented musical parameter indexing, e.g. tempo G10H; determination or detection of speech characteristics G10L25/00; audio watermarking, e.g. by inserting fingerprints G10L19/018; indexing by using information signals detectable on the record carrier and recorded by the same method as the main recording G11B27/28)}	<administrative transfer to G06F 16/683>
D	G06F 17/30746	4	{using automatically derived transcript of audio data, e.g. lyrics (speech recognition G10L15/00)}	<administrative transfer to G06F 16/685>
D	G06F 17/30749	3	{using information manually generated or using information not derived from the audio data, e.g. title and artist information, time and location information, usage information, user ratings (programmed access in sequence to addressed parts of tracks of operating discs G11B27/105)}	<administrative transfer to G06F 16/68>

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D	G06F 17/30752	4	{using information manually generated, e.g. tags, keywords, comments, title or artist information, time, location or usage information, user ratings}	<administrative transfer to G06F 16/686>
D	G06F 17/30755	3	{Query formulation specially adapted for audio data retrieval}	<administrative transfer to G06F 16/632>
D	G06F 17/30758	4	{Query by example, e.g. query by humming}	<administrative transfer to G06F 16/634>
D	G06F 17/30761	4	{Filtering; personalisation, e.g. querying making use of user profiles}	<administrative transfer to G06F 16/635>
D	G06F 17/30764	5	{by using biological or physiological data}	<administrative transfer to G06F 16/636>
D	G06F 17/30766	5	{Administration of user profiles, e.g. generation, initialization, adaptation, distribution}	<administrative transfer to G06F 16/637>
D	G06F 17/30769	3	{Presentation of query results (menu, index or table of content presentation of record carriers G11B27/32, G11B27/34)}	<administrative transfer to G06F 16/638>
D	G06F 17/30772	4	{making use of playlists}	<administrative transfer to G06F 16/639>
D	G06F 17/30775	3	{Browsing (generation of a list or set of audio data G06F 17/30772; trick modes G11B27/005; browsing through audio recorded on operating discs G11B27/105)}	<administrative transfer to G06F 16/64>
D	G06F 17/30778	3	{Audio database index structures and management thereof}	<administrative transfer to G06F 16/61>
D	G06F 17/30781	2	{of video data (recognising patterns G06K9/00; image analysis G06T7/00; editing or indexing information signals on a record carrier in which information is recorded and accessed based on relative movement between record carrier and transducer G11B27/00; source coding or decoding of digital video signal H04N19/00; selective content distribution, e.g. interactive television, video on demand H04N21/00)}	<administrative transfer to G06F 16/70>

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D	G06F 17/30784	3	{using features automatically derived from the video content, e.g. descriptors, fingerprints, signatures, genre (recognising video content G06K9/00711; extraction of features or characteristics for pattern recognition of the image G06K9/46)}	<administrative transfer to G06F 16/783>
D	G06F 17/30787	4	{using audio features (general determination or detection of speech characteristics G10L25/00; speech recognition G10L15/00; speaker recognition G10L17/00; contents oriented musical parameter indexing, e.g. tempo G10H)}	<administrative transfer to G06F 16/7834>
D	G06F 17/3079	4	{using objects detected or recognised in the video content (methods for image acquisition of a pattern to be recognized involving target detection G06K9/3241)}	<administrative transfer to G06F 16/7837>
D	G06F 17/30793	5	{the detected or recognised objects being people (face recognition G06K9/00221; human body recognition G06K9/00369; speaker recognition G10L17/00)}	<administrative transfer to G06F 16/784>
D	G06F 17/30796	4	{using original textual content or text extracted from visual content or transcript of audio data (extraction of overlay text G06K9/3266)}	<administrative transfer to G06F 16/7844>
D	G06F 17/30799	4	{using low-level visual features of the video content (methods for preprocessing an image in order to extract features of a pattern to be recognized G06K9/46; image processing involving image features extraction in general G06T)}	<administrative transfer to G06F 16/7847>
D	G06F 17/30802	5	{using colour or luminescence (colour analysis on image data G06T7/90)}	<administrative transfer to G06F 16/785>
D	G06F 17/30805	5	{using shape (G06F 17/3079 takes precedence; segmentation or edge detection on image data G06T7/10; analysis of geometric attributes on image data G06T7/60)}	<administrative transfer to G06F 16/7854>
D	G06F 17/30808	5	{using texture (G06F 17/3079 takes precedence; texture analysis on image data G06T7/41, G06T7/49)}	<administrative transfer to G06F 16/7857>

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<b>Type*</b>	<b>Symbol</b>	<b>Indent Level Number of dots (e.g. 0, 1, 2)</b>	<b>Title “CPC only” text should normally be enclosed in {curly brackets}**</b>	<b>transferred to#</b>
D	G06F 17/30811	5	{using motion, e.g. object motion, camera motion (motion analysis on image data G06T7/20)}	<administrative transfer to G06F 16/786>
D	G06F 17/30814	5	{using domain-transform features, e.g. DCT, wavelet transform coefficients}	<administrative transfer to G06F 16/7864>
D	G06F 17/30817	3	{using information manually generated or using information not derived from the video content, e.g. time and location information, usage information, user ratings}	<administrative transfer to G06F 16/78>
D	G06F 17/3082	4	{using information manually generated, e.g. tags, keywords, comments, title and artist information, manually generated time, location and usage information, user ratings}	<administrative transfer to G06F 16/7867>
D	G06F 17/30823	3	{Query formulation and processing specifically adapted for the retrieval of video data}	<administrative transfer to G06F 16/73>
D	G06F 17/30825	4	{Query by example, e.g. a complete video frame or video sequence (graphical querying G06F 17/30831)}	<administrative transfer to G06F 16/7328>
D	G06F 17/30828	4	{Filtering and personalisation; User profiles}	<administrative transfer to G06F 16/735>
D	G06F 17/30831	4	{Graphical querying, e.g. query-by-region, query-by-sketch, query-by-trajectory, GUIs for designating a person/face/object as a query predicate (end-user interface involving hot spots associated with the video H04N21/4725; end-user interface for selecting a Region of Interest H04N21/4728)}	<administrative transfer to G06F 16/7335>
D	G06F 17/30834	4	{Query language or query format}	<administrative transfer to G06F 16/7343>
D	G06F 17/30837	3	{Query results presentation or summarisation specifically adapted for the retrieval of video data (end-user interface for requesting or interacting with video content, e.g. video on demand interface or electronic program guide H04N21/472)}	<administrative transfer to G06F 16/738>

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D	G06F 17/3084	4	{Presentation of query results (G06F 17/30843 takes precedence; browsing a video collection G06F 17/30849)}	<administrative transfer to G06F 16/738>
D	G06F 17/30843	4	{Presentation in form of a video summary, e.g. the video summary being a video sequence, a composite still image or having synthesized frames}	<administrative transfer to G06F 16/739>
D	G06F 17/30846	3	{Browsing of video data (end-user interface for requesting or interacting with video content, e.g. video on demand interface or electronic program guide H04N21/472; indicating arrangements in the context of indexing and addressing recorded information G11B27/34)}	<administrative transfer to G06F 16/74>
D	G06F 17/30849	4	{Browsing a collection of video files or sequences}	<administrative transfer to G06F 16/743>
D	G06F 17/30852	4	{Browsing the internal structure of a single video sequence}	<administrative transfer to G06F 16/745>
D	G06F 17/30855	4	{Hypervideo (linking data to content, e.g. by linking an URL to a video object in the context of video distribution systems H04N21/858)}	<administrative transfer to G06F 16/748>
D	G06F 17/30858	3	{Video database index structures or management thereof (table of contents on a record carrier G11B27/327)}	<administrative transfer to G06F 16/71>
D	G06F 17/30861	2	{Retrieval from the Internet, e.g. browsers (internet protocol H04L29/06095)}	<administrative transfer to G06F 16/95>
D	G06F 17/30864	3	{by querying, e.g. search engines or meta-search engines, crawling techniques, push systems}	<administrative transfer to G06F 16/951>
D	G06F 17/30867	4	{with filtering and personalisation}	<administrative transfer to G06F 16/9535>
D	G06F 17/3087	4	{Spatially dependent indexing and retrieval, e.g. location dependent results to queries}	<administrative transfer to G06F 16/9537>
D	G06F 17/30873	3	{by navigation, e.g. using categorized browsing, portals, synchronized browsing, visual networks of documents, virtual worlds or tours}	<administrative transfer to G06F 16/954>

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D	G06F 17/30876	3	{by using information identifiers, e.g. encoding URL in specific indicia, browsing history}	<administrative transfer to G06F 16/955>
D	G06F 17/30879	4	{by using bar codes}	<administrative transfer to G06F 16/9554>
D	G06F 17/30882	4	{details of hyperlinks; management of linked annotations}	<administrative transfer to G06F 16/9558>
D	G06F 17/30884	4	{Bookmark management}	<administrative transfer to G06F 16/9562>
D	G06F 17/30887	4	{URL specific, e.g. using aliases, detecting broken or misspelled links (address allocation to terminals or nodes connected to a network H04L29/12009)}	<administrative transfer to G06F 16/9566>
D	G06F 17/3089	3	{Web site content organization and management, e.g. publishing, automatic linking or maintaining pages}	<administrative transfer to G06F 16/958>
D	G06F 17/30893	4	{Access to data in other repository systems, e.g. legacy data or dynamic Web page generation}	<administrative transfer to G06F 16/972>
D	G06F 17/30896	4	{Document structures and storage, e.g. HTML extensions}	<administrative transfer to G06F 16/986>
D	G06F 17/30899	3	{Browsing optimisation}	<administrative transfer to G06F 16/957>
D	G06F 17/30902	4	{of access to content, e.g. by caching (accessing, addressing or allocating within memory systems and caches G06F12/08)}	<administrative transfer to G06F 16/9574>
D	G06F 17/30905	4	{Optimising the visualization of content, e.g. distillation of HTML documents}	<administrative transfer to G06F 16/9577>
D	G06F 17/30908	2	{of semistructured data, the underlying structure being taken into account, e.g. mark-up language structure data}	<administrative transfer to G06F 16/80>
D	G06F 17/30911	3	{Indexing, e.g. of XML tags}	<administrative transfer to G06F 16/81>
D	G06F 17/30914	3	{Mapping or conversion}	<administrative transfer to G06F 16/84>

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D	G06F 17/30917	4	{Mapping to a database}	<administrative transfer to G06F 16/86>
D	G06F 17/3092	4	{Mark-up to mark-up conversion (conversion for visualization in web browsing G06F 17/30905)}	<administrative transfer to G06F 16/88>
D	G06F 17/30923	3	{XML native databases, structures and querying}	<administrative transfer to G06F 16/83>
D	G06F 17/30926	4	{Query formulation}	<administrative transfer to G06F 16/832>
D	G06F 17/30929	4	{Query processing}	<administrative transfer to G06F 16/835>
D	G06F 17/30932	5	{Query translation}	<administrative transfer to G06F 16/8358>
D	G06F 17/30935	5	{Query optimisation}	<administrative transfer to G06F 16/8365>
D	G06F 17/30938	5	{Query execution}	<administrative transfer to G06F 16/8373>
D	G06F 17/30941	4	{Results presentation}	<administrative transfer to G06F 16/838>
D	G06F 17/30943	2	{details of database functions independent of the retrieved data type}	<administrative transfer to G06F 16/90>
D	G06F 17/30946	3	{indexing structures (indexing structures for specific data types G06F 17/30067, G06F 17/30619, G06F 17/30321)}	<administrative transfer to G06F 16/901>
D	G06F 17/30949	4	{hash tables (hashing functions for network address lookup or routing in networks H04L45/00)}	<administrative transfer to G06F 16/9014>
D	G06F 17/30952	4	{using directory or table look-up (use of a directory or look-up table in file systems G06F 17/30067)}	<administrative transfer to G06F 16/9017>
D	G06F 17/30955	5	{using more than one table in sequence, i.e. systems with three or more layers}	<administrative transfer to G06F 16/902>
D	G06F 17/30958	4	{Graphs; Linked lists (G06F 17/30961 takes precedence)}	<administrative transfer to G06F 16/9024>



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<b>Type*</b>	<b>Symbol</b>	<b>Indent Level Number of dots (e.g. 0, 1, 2)</b>	<b>Title</b> <b>“CPC only” text should normally be enclosed in {curly brackets}**</b>	<b>transferred to#</b>
D	G06F 17/30961	4	{Trees}	<administrative transfer to G06F 16/9027>
D	G06F 17/30964	3	{Querying}	<administrative transfer to G06F 16/903>
D	G06F 17/30967	4	{Query formulation}	<administrative transfer to G06F 16/9032>
D	G06F 17/3097	5	{using system suggestions}	<administrative transfer to G06F 16/90324>
D	G06F 17/30973	6	{using search space presentation or visualization, e.g. category or range presentation and selection}	<administrative transfer to G06F 16/90328>
D	G06F 17/30976	5	{Natural language query formulation or dialogue systems}	<administrative transfer to G06F 16/90332>
D	G06F 17/30979	4	{Query processing}	<administrative transfer to G06F 16/90335>
D	G06F 17/30982	5	{by using parallel associative memories or content-addressable memories}	<administrative transfer to G06F 16/90339>
D	G06F 17/30985	5	{by using string matching techniques (sequence comparison in bioinformatics G06F19/22; string matching used for packet routing in packet switching systems H04L45/00)}	<administrative transfer to G06F 16/90344>
D	G06F 17/30988	5	{by searching ordered data, e.g. alpha-numerically ordered data (sequence comparison in bioinformatics G06F19/22)}	<administrative transfer to G06F 16/90348>
D	G06F 17/30991	4	{Presentation or visualization of query results}	<administrative transfer to G06F 16/9038>
D	G06F 17/30994	3	{Browsing or visualization}	<administrative transfer to G06F 16/904>
D	G06F 17/30997	3	{Retrieval based on associated metadata}	<administrative transfer to G06F 16/907>

\*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; E= existing entries with enlarged file scope, which receive documents from

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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 subclasses, 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 } are 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 level, and title are required for all types .
- “Transferred to” column must be completed for all C, D, F, and 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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B. New, Modified or Deleted Warning(s)

**SUBCLASS G06F - ELECTRIC DIGITAL DATA PROCESSING** (computer systems based on specific computational models G06N)

Type*	Location	Old Warning	New/Modified Warning
N	G06F 16/1794		Group G06F16/1794 is impacted by reclassification into group G06F16/258. Groups G06F16/1794 and G06F16/258 should be considered in order to perform a complete search.
N	G06F16/23		Group G06F16/23 is impacted by reclassification into group G06F16/25. Groups G06F16/23 and G06F16/25 should be considered in order to perform a complete search.
N	G06F16/2308		Group G06F16/2308 is impacted by reclassification into groups G06F 16/2315, G06F 16/2322, G06F 16/2329, G06F 16/2336, and G06F 16/2343. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F16/2315		Groups G06F16/2315 - G06F16/2329 are incomplete pending reclassification of documents from group G06F16/2308. Groups G06F16/2308 and G06F16/2315 - G06F16/2329 should be considered in order to perform a complete search.
N	G06F16/2336		Groups G06F16/2336 and G06F16/2343 are incomplete pending reclassification of documents from group G06F16/2308. Groups G06F16/2308, G06F16/2336, and G06F16/2343 should be considered in order to perform a complete search.
N	G06F 16/25		Group G06F 16/25 is incomplete pending reclassification of documents from group G06F 16/23. Groups G06F 16/23 and G06F 16/25 should be considered in order to perform a complete search.
N	G06F16/258		Groups G06F16/258 is incomplete pending reclassification of documents from group G06F16/1794. Groups G06F16/1794 and G06F16/258 should be considered in order to perform a complete search.
N	G06F16/27		Group G06F16/27 is impacted by reclassification into groups G06F 16/273, G06F 16/275, and G06F 16/278. All groups listed in this Warning should be considered in order to perform a complete search.

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N	G06F 16/273		Groups G06F16/273 is incomplete pending reclassification of documents from group G06F16/27. Groups G06F16/27 and G06F16/273 should be considered in order to perform a complete search.
N	G06F 16/275		Groups G06F16/275 is incomplete pending reclassification of documents from group G06F16/27. Groups G06F16/27 and G06F16/275 should be considered in order to perform a complete search.
N	G06F 16/278		Groups G06F16/278 is incomplete pending reclassification of documents from group G06F16/27. Groups G06F16/27 and G06F16/278 should be considered in order to perform a complete search.
N	G06F 16/38		Group G06F 16/38 is impacted by reclassification into groups G06F 16/383 and G06F 16/387. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 16/383		Group G06F 16/383 is incomplete pending reclassification of documents from group G06F 16/38. Groups G06F 16/38 and G06F 16/383 should be considered in order to perform a complete search.
N	G06F 16/387		Group G06F 16/387 is incomplete pending reclassification of documents from group G06F 16/38. Groups G06F 16/38 and G06F 16/387 should be considered in order to perform a complete search.
N	G06F 16/40		Group G06F 16/40 is impacted by reclassification into groups G06F 16/45, G06F 16/48, G06F 16/483, G06F 16/487, and G06F 16/489. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 16/43		Group G06F 16/43 is impacted by reclassification into groups G06F 16/432, G06F 16/48, G06F 16/483, G06F 16/487, and G06F 16/489. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 16/432		Group G06F 16/432 is incomplete pending reclassification of documents from group G06F 16/43. Groups G06F 16/43 and G06F 16/432 should be considered in order to perform a complete search.

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N	G06F 16/45		Group G06F 16/45 is incomplete pending reclassification of documents from group G06F 16/40. Groups G06F 16/40 and G06F 16/45 should be considered in order to perform a complete search.
N	G06F 16/48		Group G06F 16/48 is incomplete pending reclassification of documents from groups G06F 16/40 and G06F 16/43. Groups G06F 16/40, G06F 16/43, and G06F 16/48 should be considered in order to perform a complete search.
N	G06F 16/483		Group G06F 16/483 is incomplete pending reclassification of documents from groups G06F 16/40 and G06F 16/43. Groups G06F 16/40, G06F 16/43, and G06F 16/483 should be considered in order to perform a complete search.
N	G06F 16/487		Group G06F 16/487 is incomplete pending reclassification of documents from groups G06F 16/40 and G06F 16/43. Groups G06F 16/40, G06F 16/43, and G06F 16/487 should be considered in order to perform a complete search.
N	G06F 16/489		Group G06F 16/489 is incomplete pending reclassification of documents from groups G06F 16/40 and G06F 16/43. Groups G06F 16/40, G06F 16/43, and G06F 16/489 should be considered in order to perform a complete search.
N	G06F 16/50		Group G06F 16/50 is impacted by reclassification into groups G06F 16/53, G06F 16/532, G06F 16/535, G06F 16/538, and G06F 16/55. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 16/53		Group G06F 16/53 is incomplete pending reclassification of documents from group G06F 16/50. Groups G06F 16/50 and G06F 16/53 should be considered in order to perform a complete search.
N	G06F 16/532		Group G06F 16/532 is incomplete pending reclassification of documents from group G06F 16/50. Groups G06F 16/50 and G06F 16/532 should be considered in order to perform a complete search.

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N	G06F 16/535		Group G06F 16/535 is incomplete pending reclassification of documents from group G06F 16/50. Groups G06F 16/50 and G06F 16/535 should be considered in order to perform a complete search.
N	G06F 16/538		Group G06F 16/538 is incomplete pending reclassification of documents from group G06F 16/50. Groups G06F 16/50 and G06F 16/538 should be considered in order to perform a complete search.
N	G06F 16/55		Group G06F 16/55 is incomplete pending reclassification of documents from group G06F 16/50. Groups G06F 16/50 and G06F 16/55 should be considered in order to perform a complete search.
N	G06F 16/58		Group G06F 16/58 is impacted by reclassification into group G06F 16/587. Groups G06F 16/58 and G06F 16/587 should be considered in order to perform a complete search.
N	G06F 16/5838		Group G06F 16/5838 is impacted by reclassification into groups G06F 16/5846, G06F 16/5854, and G06F 16/5862. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 16/5846		Group G06F 16/5846 is incomplete pending reclassification of documents from group G06F 16/5838. Groups G06F 16/5838 and G06F 16/5846 should be considered in order to perform a complete search.
N	G06F 16/5854		Group G06F 16/5854 is incomplete pending reclassification of documents from group G06F 16/5838. Groups G06F 16/5838 and G06F 16/5854 should be considered in order to perform a complete search.
N	G06F 16/5862		Group G06F 16/5862 is incomplete pending reclassification of documents from group G06F 16/5838. Groups G06F 16/5838 and G06F 16/5862 should be considered in order to perform a complete search.
N	G06F 16/5866		Group G06F 16/5866 is impacted by reclassification into group G06F 16/587. Groups G06F 16/5866 and G06F 16/587 should be considered in order to perform a complete search.

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N	G06F 16/587		Group G06F 16/587 is incomplete pending reclassification of documents from groups G06F 16/58 and G06F 16/5866. Groups G06F 16/58, G06F 16/5866, and G06F 16/587 should be considered in order to perform a complete search.
N	G06F 16/60		Group G06F 16/60 is impacted by reclassification into groups G06F 16/63 and G06F 16/65. Groups G06F 16/60, G06F 16/63, and G06F 16/65 should be considered in order to perform a complete search.
N	G06F 16/63		Group G06F 16/63 is incomplete pending reclassification of documents from group G06F 16/60. Groups G06F 16/60 and G06F 16/63 should be considered in order to perform a complete search.
N	G06F 16/65		Group G06F 16/65 is incomplete pending reclassification of documents from group G06F 16/60. Groups G06F 16/60 and G06F 16/65 should be considered in order to perform a complete search.
N	G06F 16/68		Group G06F 16/68 is impacted by reclassification into group G06F 16/687. Groups G06F 16/68 and G06F 16/687 should be considered in order to perform a complete search.
N	G06F 16/686		Group G06F 16/686 is impacted by reclassification into group G06F 16/687. Groups G06F 16/686 and G06F 16/687 should be considered in order to perform a complete search.
N	G06F 16/687		Group G06F 16/687 is incomplete pending reclassification of documents from groups G06F 16/68 and G06F 16/686. Groups G06F 16/68, G06F 16/686, and G06F 16/687 should be considered in order to perform a complete search.
N	G06F 16/70		Group G06F 16/70 is impacted by reclassification into group G06F 16/75. Groups G06F 16/70 and G06F 16/75 should be considered in order to perform a complete search.
N	G06F 16/73		Group G06F 16/73 is impacted by reclassification into group G06F 16/732. Groups G06F 16/73 and G06F 16/732 should be considered in order to perform a complete search.

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N	G06F 16/732		Group G06F 16/732 is incomplete pending reclassification of documents from group G06F 16/73. Groups G06F 16/73 and G06F 16/732 should be considered in order to perform a complete search.
N	G06F 16/75		Group G06F 16/75 is incomplete pending reclassification of documents from group G06F 16/70. Groups G06F 16/70 and G06F 16/75 should be considered in order to perform a complete search.
N	G06F 16/78		Group G06F 16/78 is impacted by reclassification into group G06F 16/787. Groups G06F 16/78 and G06F 16/787 should be considered in order to perform a complete search.
N	G06F 16/7867		Group G06F 16/7867 is impacted by reclassification into group G06F 16/787. Groups G06F 16/7867 and G06F 16/787 should be considered in order to perform a complete search.
N	G06F 16/787		Group G06F 16/787 is incomplete pending reclassification of documents from groups G06F 16/78 and G06F 16/7867. Groups G06F 16/78, G06F 16/7867, and G06F 16/787 should be considered in order to perform a complete search.
N	G06F 16/81		Group G06F 16/81 is incomplete pending reclassification of documents from group G06F 16/83. Groups G06F 16/83 and G06F 16/81 should be considered in order to perform a complete search.
N	G06F 16/83		Group G06F 16/83 is impacted by reclassification into groups G06F 16/81 and G06F 16/835. Groups G06F 16/83, G06F 16/81, and G06F 16/835 should be considered in order to perform a complete search.
N	G06F 16/835		Group G06F 16/835 is incomplete pending reclassification of documents from group G06F 16/83. Groups G06F 16/83 and G06F 16/835 should be considered in order to perform a complete search.
N	G06F 16/90		Group G06F 16/90 is impacted by reclassification into group G06F 16/906. Groups G06F 16/90 and G06F 16/906 should be considered in order to perform a complete search.



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N	G06F 16/903		Group G06F 16/903 is impacted by reclassification into group G06F 16/9035. Groups G06F 16/903 and G06F 16/9035 should be considered in order to perform a complete search.
N	G06F 16/9035		Group G06F 16/9035 is incomplete pending reclassification of documents from group G06F 16/903. Groups G06F 16/903 and G06F 16/9035 should be considered in order to perform a complete search.
N	G06F 16/906		Group G06F 16/906 is incomplete pending reclassification of documents from group G06F 16/90. Groups G06F 16/90 and G06F 16/906 should be considered in order to perform a complete search.
N	G06F 16/907		Group G06F 16/907 is impacted by reclassification into groups G06F 16/908 and G06F 16/909. Groups G06F 16/907, G06F 16/908, and G06F 16/909 should be considered in order to perform a complete search.
N	G06F 16/908		Group G06F 16/908 is incomplete pending reclassification of documents from group G06F 16/907. Groups G06F 16/907 and G06F 16/908 should be considered in order to perform a complete search.
N	G06F 16/909		Group G06F 16/909 is incomplete pending reclassification of documents from group G06F 16/907. Groups G06F 16/907 and G06F 16/909 should be considered in order to perform a complete search.
N	G06F 16/951		Group G06F 16/951 is impacted by reclassification into groups G06F 16/953, G06F 16/9532 and G06F 16/9538. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 16/953		Group G06F 16/953 is incomplete pending reclassification of documents from group G06F 16/951. Groups G06F 16/951 and G06F 16/953 should be considered in order to perform a complete search.
N	G06F 16/9532		Group G06F 16/9532 is incomplete pending reclassification of documents from group G06F 16/951. Groups G06F 16/951 and G06F 16/9532 should be considered in order to perform a complete search.

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N	G06F 16/9535		Group G06F 16/9535 is impacted by reclassification into groups G06F 16/9536 and G06F 16/9538. Groups G06F 16/9535, G06F 16/9536, and G06F 16/9538 should be considered in order to perform a complete search.
N	G06F 16/9536		Group G06F 16/9536 is incomplete pending reclassification of documents from group G06F 16/9535. Groups G06F 16/9535 and G06F 16/9536 should be considered in order to perform a complete search.
N	G06F 16/9538		Group G06F 16/9538 is incomplete pending reclassification of documents from groups G06F 16/951 and G06F 16/9535. Groups G06F 16/951, G06F 16/9535, and G06F 16/9538 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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C. New, Modified or Deleted Note(s)

**SUBCLASS G06F - ELECTRIC DIGITAL DATA PROCESSING** (computer systems based on specific computational models G06N)

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
N	G06F 16/30		<p>NOTE</p> <p>In groups G06F 16/30, G06F 16/31, G06F 16/313, G06F 16/316, G06F 16/319, G06F 16/322, G06F 16/325, G06F 16/328, G06F 16/33, G06F 16/332, G06F 16/3322, G06F 16/3323, G06F 16/3325, G06F 16/3326, G06F 16/3328, G06F 16/3329, G06F 16/3331, G06F 16/3332, G06F 16/3334, G06F 16/3335, G06F 16/3337, G06F 16/3338, G06F 16/334, G06F 16/3341, G06F 16/3343, G06F 16/3344, G06F 16/3346, G06F 16/3347, G06F 16/3349, G06F 16/335, G06F 16/337, G06F 16/338, G06F 16/34, G06F 16/345, G06F 16/35, G06F 16/353, G06F 16/355, G06F 16/358, G06F 16/36, G06F 16/367 and G06F 16/374, subject matter relevant to retrieval characterised by using metadata, when it is determined to be novel and non-obvious, must also be classified in groups G06F 16/38, G06F 16/381, G06F 16/382, G06F 16/383, and G06F 16/387.</p>
N	G06F 16/40		<p>NOTE</p> <p>In groups G06F 16/40, G06F 16/41, G06F 16/43, G06F 16/432, G06F 16/433, G06F 16/434, G06F 16/435, G06F 16/436, G06F 16/437, G06F 16/438, G06F 16/4387, G06F 16/4393, G06F 16/44, G06F 16/444, G06F 16/447 and G06F 16/45, subject matter relevant to retrieval characterised by using metadata, when it is determined to be novel and non-obvious, must also be classified in groups G06F 16/48, G06F 16/483, G06F 16/487 and G06F 16/489.</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
N	G06F 16/50	Note	NOTE In groups G06F 16/50, G06F 16/51, G06F 16/53, G06F 16/532, G06F 16/535, G06F 16/538, G06F 16/54, G06F 16/55 and G06F 16/56, subject matter relevant to retrieval characterised by using metadata, when it is determined to be novel and non-obvious, must also be classified in groups G06F 16/58, G06F 16/583, G06F 16/5838, G06F 16/5846, G06F 16/5854, G06F 16/5862 and G06F 16/587.
N	G06F 16/60		NOTE In groups G06F 16/60, G06F 16/61, G06F 16/63, G06F 16/632, G06F 16/634, G06F 16/635, G06F 16/636, G06F 16/637, G06F 16/638, G06F 16/639, G06F 16/64, and G06F 16/65, subject matter relevant to retrieval characterised by using metadata, when it is determined to be novel and non-obvious, must also be classified in groups G06F 16/68, G06F 16/683, G06F 16/685, G06F 16/686 and G06F 16/687.
N	G06F 16/70		NOTE In groups G06F 16/70, G06F 16/71, G06F 16/73, G06F 16/732, G06F 16/7328, G06F 16/7335, G06F 16/7343, G06F 16/735, G06F 16/738, G06F 16/739, G06F 16/74, G06F 16/743, G06F 16/745, G06F 16/78 and G06F 16/75, subject matter relevant to retrieval characterised by using metadata, when it is determined to be novel and non-obvious, must also be classified in groups G06F 16/78, G06F 16/783, G06F 16/7834, G06F 16/7837, G06F 16/784, G06F 16/7844, G06F 16/7847, G06F 16/785, G06F 16/7854, G06F 16/7857, G06F 16/786, G06F 16/7864, G06F 16/7867 and G06F 16/787.

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<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
N	G06F 16/90		<p>NOTE</p> <p>In groups G06F 16/90, G06F 16/901, G06F 16/9014, G06F 16/9017, G06F 16/902, G06F 16/9024, G06F 16/9027, G06F 16/903, G06F 16/9032, G06F 16/90324, G06F 16/90328, G06F 16/90332, G06F 16/90335, G06F 16/90339, G06F 16/90344, G06F 16/90348, G06F 16/9035, G06F 16/9038, G06F 16/904, and G06F 16/906, subject matter relevant to retrieval characterised by using metadata, when it is determined to be novel and non-obvious, must also be classified in groups G06F 16/907, G06F 16/907, and G06F 16/909.</p>

\*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.

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2. B. DEFINITIONS QUICK FIX

<b>Symbol</b>	<b>Location of change</b> (e.g., section title)	<b>Existing reference symbol</b> <b>or text</b>	<b>Action; New symbol; New text</b>
D	G06F 17/30		Delete entire definitions
D	G06F 17/30011		Delete entire definitions
D	G06F 17/30014		Delete entire definitions
D	G06F 17/30017		Delete entire definitions
D	G06F 17/3002		Delete entire definitions
D	G06F 17/30023		Delete entire definitions
D	G06F 17/30026		Delete entire definitions
D	G06F 17/30032		Delete entire definitions
D	G06F 17/30035		Delete entire definitions
D	G06F 17/30038		Delete entire definitions
D	G06F 17/30041		Delete entire definitions
D	G06F 17/30044		Delete entire definitions
D	G06F 17/30047		Delete entire definitions
D	G06F 17/3005		Delete entire definitions
D	G06F 17/30053		Delete entire definitions
D	G06F 17/30056		Delete entire definitions
D	G06F 17/30061		Delete entire definitions
D	G06F 17/30064		Delete entire definitions
D	G06F 17/30067		Delete entire definitions
D	G06F 17/30073		Delete entire definitions
D	G06F 17/30076		Delete entire definitions
D	G06F 17/30079		Delete entire definitions
D	G06F 17/30082		Delete entire definitions
D	G06F 17/30085		Delete entire definitions
D	G06F 17/30088		Delete entire definitions
D	G06F 17/30091		Delete entire definitions
D	G06F 17/30094		Delete entire definitions
D	G06F 17/30097		Delete entire definitions
D	G06F 17/301		Delete entire definitions
D	G06F 17/30103		Delete entire definitions
D	G06F 17/30106		Delete entire definitions
D	G06F 17/30109		Delete entire definitions
D	G06F 17/30112		Delete entire definitions
D	G06F 17/30115		Delete entire definitions
D	G06F 17/30117		Delete entire definitions
D	G06F 17/3012		Delete entire definitions
D	G06F 17/30123		Delete entire definitions
D	G06F 17/30126		Delete entire definitions
D	G06F 17/30129		Delete entire definitions
D	G06F 17/30132		Delete entire definitions
D	G06F 17/30135		Delete entire definitions
D	G06F 17/30138		Delete entire definitions
D	G06F 17/30141		Delete entire definitions
D	G06F 17/30144		Delete entire definitions
D	G06F 17/30147		Delete entire definitions

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D	G06F 17/3015		Delete entire definitions
D	G06F 17/30153		Delete entire definitions
D	G06F 17/30156		Delete entire definitions
D	G06F 17/30159		Delete entire definitions
D	G06F 17/30162		Delete entire definitions
D	G06F 17/30165		Delete entire definitions
D	G06F 17/30168		Delete entire definitions
D	G06F 17/30171		Delete entire definitions
D	G06F 17/30174		Delete entire definitions
D	G06F 17/30176		Delete entire definitions
D	G06F 17/30179		Delete entire definitions
D	G06F 17/30182		Delete entire definitions
D	G06F 17/30185		Delete entire definitions
D	G06F 17/30188		Delete entire definitions
D	G06F 17/30191		Delete entire definitions
D	G06F 17/30194		Delete entire definitions
D	G06F 17/30197		Delete entire definitions
D	G06F 17/302		Delete entire definitions
D	G06F 17/30203		Delete entire definitions
D	G06F 17/30206		Delete entire definitions
D	G06F 17/30209		Delete entire definitions
D	G06F 17/30212		Delete entire definitions
D	G06F 17/30215		Delete entire definitions
D	G06F 17/30218		Delete entire definitions
D	G06F 17/30221		Delete entire definitions
D	G06F 17/30224		Delete entire definitions
D	G06F 17/30227		Delete entire definitions
D	G06F 17/3023		Delete entire definitions
D	G06F 17/30233		Delete entire definitions
D	G06F 17/30235		Delete entire definitions
D	G06F 17/30238		Delete entire definitions
D	G06F 17/30241		Delete entire definitions
D	G06F 17/30244		Delete entire definitions
D	G06F 17/30247		Delete entire definitions
D	G06F 17/3025		Delete entire definitions
D	G06F 17/30253		Delete entire definitions
D	G06F 17/30256		Delete entire definitions
D	G06F 17/30259		Delete entire definitions
D	G06F 17/30262		Delete entire definitions
D	G06F 17/30265		Delete entire definitions
D	G06F 17/30268		Delete entire definitions
D	G06F 17/30271		Delete entire definitions
D	G06F 17/30274		Delete entire definitions
D	G06F 17/30277		Delete entire definitions
D	G06F 17/3028		Delete entire definitions
D	G06F 17/30286		Delete entire definitions
D	G06F 17/30289		Delete entire definitions
D	G06F 17/30292		Delete entire definitions
D	G06F 17/30294		Delete entire definitions
D	G06F 17/30297		Delete entire definitions
D	G06F 17/303		Delete entire definitions
D	G06F 17/30303		Delete entire definitions

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D	G06F 17/30306		Delete entire definitions
D	G06F 17/30309		Delete entire definitions
D	G06F 17/30312		Delete entire definitions
D	G06F 17/30315		Delete entire definitions
D	G06F 17/30318		Delete entire definitions
D	G06F 17/30321		Delete entire definitions
D	G06F 17/30324		Delete entire definitions
D	G06F 17/30327		Delete entire definitions
D	G06F 17/3033		Delete entire definitions
D	G06F 17/30333		Delete entire definitions
D	G06F 17/30336		Delete entire definitions
D	G06F 17/30339		Delete entire definitions
D	G06F 17/30342		Delete entire definitions
D	G06F 17/30345		Delete entire definitions
D	G06F 17/30348		Delete entire definitions
D	G06F 17/30351		Delete entire definitions
D	G06F 17/30353		Delete entire definitions
D	G06F 17/30356		Delete entire definitions
D	G06F 17/30359		Delete entire definitions
D	G06F 17/30362		Delete entire definitions
D	G06F 17/30365		Delete entire definitions
D	G06F 17/30368		Delete entire definitions
D	G06F 17/30371		Delete entire definitions
D	G06F 17/30374		Delete entire definitions
D	G06F 17/30377		Delete entire definitions
D	G06F 17/3038		Delete entire definitions
D	G06F 17/30383		Delete entire definitions
D	G06F 17/30386		Delete entire definitions
D	G06F 17/30389		Delete entire definitions
D	G06F 17/30392		Delete entire definitions
D	G06F 17/30395		Delete entire definitions
D	G06F 17/30398		Delete entire definitions
D	G06F 17/30401		Delete entire definitions
D	G06F 17/30404		Delete entire definitions
D	G06F 17/30407		Delete entire definitions
D	G06F 17/3041		Delete entire definitions
D	G06F 17/30412		Delete entire definitions
D	G06F 17/30415		Delete entire definitions
D	G06F 17/30418		Delete entire definitions
D	G06F 17/30421		Delete entire definitions
D	G06F 17/30424		Delete entire definitions
D	G06F 17/30427		Delete entire definitions
D	G06F 17/3043		Delete entire definitions
D	G06F 17/30433		Delete entire definitions
D	G06F 17/30436		Delete entire definitions
D	G06F 17/30439		Delete entire definitions
D	G06F 17/30442		Delete entire definitions
D	G06F 17/30445		Delete entire definitions
D	G06F 17/30448		Delete entire definitions
D	G06F 17/30451		Delete entire definitions
D	G06F 17/30454		Delete entire definitions
D	G06F 17/30457		Delete entire definitions



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D	G06F 17/3046		Delete entire definitions
D	G06F 17/30463		Delete entire definitions
D	G06F 17/30466		Delete entire definitions
D	G06F 17/30469		Delete entire definitions
D	G06F 17/30471		Delete entire definitions
D	G06F 17/30474		Delete entire definitions
D	G06F 17/30477		Delete entire definitions
D	G06F 17/3048		Delete entire definitions
D	G06F 17/30483		Delete entire definitions
D	G06F 17/30486		Delete entire definitions
D	G06F 17/30489		Delete entire definitions
D	G06F 17/30492		Delete entire definitions
D	G06F 17/30495		Delete entire definitions
D	G06F 17/30498		Delete entire definitions
D	G06F 17/30501		Delete entire definitions
D	G06F 17/30504		Delete entire definitions
D	G06F 17/30507		Delete entire definitions
D	G06F 17/3051		Delete entire definitions
D	G06F 17/30513		Delete entire definitions
D	G06F 17/30516		Delete entire definitions
D	G06F 17/30522		Delete entire definitions
D	G06F 17/30525		Delete entire definitions
D	G06F 17/30528		Delete entire definitions
D	G06F 17/3053		Delete entire definitions
D	G06F 17/30533		Delete entire definitions
D	G06F 17/30536		Delete entire definitions
D	G06F 17/30539		Delete entire definitions
D	G06F 17/30542		Delete entire definitions
D	G06F 17/30545		Delete entire definitions
D	G06F 17/30548		Delete entire definitions
D	G06F 17/30551		Delete entire definitions
D	G06F 17/30554		Delete entire definitions
D	G06F 17/30557		Delete entire definitions
D	G06F 17/3056		Delete entire definitions
D	G06F 17/30563		Delete entire definitions
D	G06F 17/30566		Delete entire definitions
D	G06F 17/30569		Delete entire definitions
D	G06F 17/30572		Delete entire definitions
D	G06F 17/30575		Delete entire definitions
D	G06F 17/30578		Delete entire definitions
D	G06F 17/30581		Delete entire definitions
D	G06F 17/30584		Delete entire definitions
D	G06F 17/30587		Delete entire definitions
D	G06F 17/30589		Delete entire definitions
D	G06F 17/30592		Delete entire definitions
D	G06F 17/30595		Delete entire definitions
D	G06F 17/30598		Delete entire definitions
D	G06F 17/30601		Delete entire definitions
D	G06F 17/30604		Delete entire definitions
D	G06F 17/30607		Delete entire definitions
D	G06F 17/3061		Delete entire definitions
D	G06F 17/30613		Delete entire definitions

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D	G06F 17/30616		Delete entire definitions
D	G06F 17/30619		Delete entire definitions
D	G06F 17/30622		Delete entire definitions
D	G06F 17/30625		Delete entire definitions
D	G06F 17/30628		Delete entire definitions
D	G06F 17/30631		Delete entire definitions
D	G06F 17/3064		Delete entire definitions
D	G06F 17/30643		Delete entire definitions
D	G06F 17/30648		Delete entire definitions
D	G06F 17/30651		Delete entire definitions
D	G06F 17/30654		Delete entire definitions
D	G06F 17/30657		Delete entire definitions
D	G06F 17/3066		Delete entire definitions
D	G06F 17/30663		Delete entire definitions
D	G06F 17/30666		Delete entire definitions
D	G06F 17/30669		Delete entire definitions
D	G06F 17/30672		Delete entire definitions
D	G06F 17/30675		Delete entire definitions
D	G06F 17/30678		Delete entire definitions
D	G06F 17/30681		Delete entire definitions
D	G06F 17/30684		Delete entire definitions
D	G06F 17/30687		Delete entire definitions
D	G06F 17/3069		Delete entire definitions
D	G06F 17/30693		Delete entire definitions
D	G06F 17/30696		Delete entire definitions
D	G06F 17/30699		Delete entire definitions
D	G06F 17/30702		Delete entire definitions
D	G06F 17/30705		Delete entire definitions
D	G06F 17/30707		Delete entire definitions
D	G06F 17/3071		Delete entire definitions
D	G06F 17/30713		Delete entire definitions
D	G06F 17/30716		Delete entire definitions
D	G06F 17/30719		Delete entire definitions
D	G06F 17/30722		Delete entire definitions
D	G06F 17/30725		Delete entire definitions
D	G06F 17/30728		Delete entire definitions
D	G06F 17/30731		Delete entire definitions
D	G06F 17/30734		Delete entire definitions
D	G06F 17/30737		Delete entire definitions
D	G06F 17/3074		Delete entire definitions
D	G06F 17/30743		Delete entire definitions
D	G06F 17/30746		Delete entire definitions
D	G06F 17/30749		Delete entire definitions
D	G06F 17/30752		Delete entire definitions
D	G06F 17/30758		Delete entire definitions
D	G06F 17/30761		Delete entire definitions
D	G06F 17/30764		Delete entire definitions
D	G06F 17/30766		Delete entire definitions
D	G06F 17/30769		Delete entire definitions
D	G06F 17/30772		Delete entire definitions
D	G06F 17/30775		Delete entire definitions
D	G06F 17/30781		Delete entire definitions

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D	G06F 17/30784		Delete entire definitions
D	G06F 17/30787		Delete entire definitions
D	G06F 17/3079		Delete entire definitions
D	G06F 17/30793		Delete entire definitions
D	G06F 17/30796		Delete entire definitions
D	G06F 17/30799		Delete entire definitions
D	G06F 17/30802		Delete entire definitions
D	G06F 17/30805		Delete entire definitions
D	G06F 17/30808		Delete entire definitions
D	G06F 17/30811		Delete entire definitions
D	G06F 17/30814		Delete entire definitions
D	G06F 17/30817		Delete entire definitions
D	G06F 17/3082		Delete entire definitions
D	G06F 17/30823		Delete entire definitions
D	G06F 17/30825		Delete entire definitions
D	G06F 17/30828		Delete entire definitions
D	G06F 17/30831		Delete entire definitions
D	G06F 17/30834		Delete entire definitions
D	G06F 17/30837		Delete entire definitions
D	G06F 17/3084		Delete entire definitions
D	G06F 17/30843		Delete entire definitions
D	G06F 17/30846		Delete entire definitions
D	G06F 17/30849		Delete entire definitions
D	G06F 17/30852		Delete entire definitions
D	G06F 17/30855		Delete entire definitions
D	G06F 17/30858		Delete entire definitions
D	G06F 17/30861		Delete entire definitions
D	G06F 17/30864		Delete entire definitions
D	G06F 17/30867		Delete entire definitions
D	G06F 17/3087		Delete entire definitions
D	G06F 17/30873		Delete entire definitions
D	G06F 17/30876		Delete entire definitions
D	G06F 17/30879		Delete entire definitions
D	G06F 17/30882		Delete entire definitions
D	G06F 17/30884		Delete entire definitions
D	G06F 17/30887		Delete entire definitions
D	G06F 17/3089		Delete entire definitions
D	G06F 17/30893		Delete entire definitions
D	G06F 17/30896		Delete entire definitions
D	G06F 17/30899		Delete entire definitions
D	G06F 17/30902		Delete entire definitions
D	G06F 17/30905		Delete entire definitions
D	G06F 17/30908		Delete entire definitions
D	G06F 17/30911		Delete entire definitions
D	G06F 17/30914		Delete entire definitions
D	G06F 17/30917		Delete entire definitions
D	G06F 17/3092		Delete entire definitions
D	G06F 17/30923		Delete entire definitions
D	G06F 17/30926		Delete entire definitions
D	G06F 17/30929		Delete entire definitions
D	G06F 17/30932		Delete entire definitions
D	G06F 17/30935		Delete entire definitions

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D	G06F 17/30938		Delete entire definitions
D	G06F 17/30943		Delete entire definitions
D	G06F 17/30949		Delete entire definitions
D	G06F 17/30958		Delete entire definitions
D	G06F 17/30961		Delete entire definitions
D	G06F 17/3097		Delete entire definitions
D	G06F 17/30982		Delete entire definitions
D	G06F 17/30985		Delete entire definitions
D	G06F 17/30988		Delete entire definitions
D	G06F 17/30994		Delete entire definitions
D	G06F 17/30997		Delete entire definitions

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.

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3. REVISION CONCORDANCE LIST (RCL)

<b><u>Type*</u></b>	<b><u>From CPC Symbol (existing)</u></b>	<b><u>To CPC Symbol(s)</u></b>
Q	G06F 16/1794	G06F 16/1794, G06F 16/258
Q	G06F 16/23	G06F 16/23, G06F 16/25
Q	G06F 16/2308	G06F 16/2308, G06F 16/2315, G06F 16/2322, G06F 16/2329, G06F 16/2336, G06F 16/2343
Q	G06F 16/27	G06F 16/27, G06F 16/273, G06F 16/275, G06F 16/278
Q	G06F 16/38	G06F 16/38, G06F 16/383, G06F 16/387
Q	G06F 16/40	G06F 16/40, G06F 16/45, G06F 16/48, G06F 16/483, G06F 16/487, G06F 16/489
Q	G06F 16/43	G06F 16/43, G06F 16/432, G06F 16/48, G06F 16/483, G06F 16/487, G06F 16/489
Q	G06F 16/50	G06F 16/50, G06F 16/53, G06F 16/532, G06F 16/535, G06F 16/538, G06F 16/55
Q	G06F 16/58	G06F 16/58, G06F 16/587
Q	G06F 16/5838	G06F 16/5838, G06F 16/5846, G06F 16/5854, G06F 16/5862
Q	G06F 16/5866	G06F 16/5866, G06F 16/587
Q	G06F 16/60	G06F 16/60, G06F 16/63, G06F 16/65
Q	G06F 16/68	G06F 16/68, G06F 16/687
Q	G06F 16/686	G06F 16/686, G06F 16/687
Q	G06F 16/70	G06F 16/70, G06F 16/75
Q	G06F 16/73	G06F 16/73, G06F 16/732
Q	G06F 16/78	G06F 16/78, G06F 16/787
Q	G06F 16/7867	G06F 16/7867 G06F 16/787
Q	G06F 16/83	G06F 16/81, G06F 16/83, G06F 16/835
Q	G06F 16/90	G06F 16/90, G06F 16/906
Q	G06F 16/903	G06F 16/903, G06F 16/9035
Q	G06F 16/907	G06F 16/907, G06F 16/908, G06F 16/909
Q	G06F 16/951	G06F 16/951, G06F 16/953, G06F 16/9532, G06F 16/9538
Q	G06F 16/9535	G06F 16/9535, G06F 16/9536, G06F 16/9538
D	G06F 17/30	< administrative transfer to G06F 16/00>
D	G06F 17/30002	< administrative transfer to G06F 16/23>
D	G06F 17/30005	< administrative transfer to G06F 16/1794>

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<b><u>Type*</u></b>	<b><u>From CPC Symbol (existing)</u></b>	<b><u>To CPC Symbol(s)</u></b>
D	G06F 17/30008	<administrative transfer to G06F 16/2308>
D	G06F 17/30011	<administrative transfer to G06F 16/93>
D	G06F 17/30014	<administrative transfer to G06F 16/94>
D	G06F 17/30017	<administrative transfer to G06F 16/40>
D	G06F 17/3002	<administrative transfer to G06F 16/41>
D	G06F 17/30023	<administrative transfer to G06F 16/43>
D	G06F 17/30026	<administrative transfer to G06F 16/433>
D	G06F 17/30029	<administrative transfer to G06F 16/435>
D	G06F 17/30032	<administrative transfer to G06F 16/436>
D	G06F 17/30035	<administrative transfer to G06F 16/437>
D	G06F 17/30038	<administrative transfer to G06F 16/48>
D	G06F 17/30041	<administrative transfer to G06F 16/487>
D	G06F 17/30044	<administrative transfer to G06F 16/489>
D	G06F 17/30047	<administrative transfer to G06F 16/434>
D	G06F 17/3005	<administrative transfer to G06F 16/438>
D	G06F 17/30053	<administrative transfer to G06F 16/4387>
D	G06F 17/30056	<administrative transfer to G06F 16/4393>
D	G06F 17/30058	<administrative transfer to G06F 16/44>
D	G06F 17/30061	<administrative transfer to G06F 16/444>
D	G06F 17/30064	<administrative transfer to G06F 16/447>
D	G06F 17/30067	<administrative transfer to G06F 16/10>
D	G06F 17/3007	<administrative transfer to G06F 16/11>
D	G06F 17/30073	<administrative transfer to G06F 16/113>
D	G06F 17/30076	<administrative transfer to G06F 16/116>
D	G06F 17/30079	<administrative transfer to G06F 16/119>

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<b><u>Type*</u></b>	<b><u>From CPC Symbol (existing)</u></b>	<b><u>To CPC Symbol(s)</u></b>
D	G06F 17/30082	<administrative transfer to G06F 16/122>
D	G06F 17/30085	<administrative transfer to G06F 16/125>
D	G06F 17/30088	<administrative transfer to G06F 16/128>
D	G06F 17/30091	<administrative transfer to G06F 16/13>
D	G06F 17/30094	<administrative transfer to G06F 16/134>
D	G06F 17/30097	<administrative transfer to G06F 16/137>
D	G06F 17/301	<administrative transfer to G06F 16/14>
D	G06F 17/30103	<administrative transfer to G06F 16/144>
D	G06F 17/30106	<administrative transfer to G06F 16/148>
D	G06F 17/30109	<administrative transfer to G06F 16/152>
D	G06F 17/30112	<administrative transfer to G06F 16/156>
D	G06F 17/30115	<administrative transfer to G06F 16/16>
D	G06F 17/30117	<administrative transfer to G06F 16/162>
D	G06F 17/3012	<administrative transfer to G06F 16/164>
D	G06F 17/30123	<administrative transfer to G06F 16/166>
D	G06F 17/30126	<administrative transfer to G06F 16/168>
D	G06F 17/30129	<administrative transfer to G06F 16/17>
D	G06F 17/30132	<administrative transfer to G06F 16/172>
D	G06F 17/30135	<administrative transfer to G06F 16/1724>
D	G06F 17/30138	<administrative transfer to G06F 16/1727>
D	G06F 17/30141	<administrative transfer to G06F 16/173>
D	G06F 17/30144	<administrative transfer to G06F 16/1734>
D	G06F 17/30147	<administrative transfer to G06F 16/1737>
D	G06F 17/3015	<administrative transfer to G06F 16/174>
D	G06F 17/30153	<administrative transfer to G06F 16/1744>

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<b><u>Type*</u></b>	<b><u>From CPC Symbol (existing)</u></b>	<b><u>To CPC Symbol(s)</u></b>
D	G06F 17/30156	<administrative transfer to G06F 16/1748>
D	G06F 17/30159	<administrative transfer to G06F 16/1752>
D	G06F 17/30162	<administrative transfer to G06F 16/1756>
D	G06F 17/30165	<administrative transfer to G06F 16/176>
D	G06F 17/30168	<administrative transfer to G06F 16/1767>
D	G06F 17/30171	<administrative transfer to G06F 16/1774>
D	G06F 17/30174	<administrative transfer to G06F 16/178>
D	G06F 17/30176	<administrative transfer to G06F 16/1787>
D	G06F 17/30179	<administrative transfer to G06F 16/1794>
D	G06F 17/30182	<administrative transfer to G06F 16/18>
D	G06F 17/30185	<administrative transfer to G06F 16/1805>
D	G06F 17/30188	<administrative transfer to G06F 16/181>
D	G06F 17/30191	<administrative transfer to G06F 16/1815>
D	G06F 17/30194	<administrative transfer to G06F 16/182>
D	G06F 17/30197	<administrative transfer to G06F 16/1824>
D	G06F 17/302	<administrative transfer to G06F 16/1827>
D	G06F 17/30203	<administrative transfer to G06F 16/183>
D	G06F 17/30206	<administrative transfer to G06F 16/1834>
D	G06F 17/30209	<administrative transfer to G06F 16/1837>
D	G06F 17/30212	<administrative transfer to G06F 16/184>
D	G06F 17/30215	<administrative transfer to G06F 16/1844>
D	G06F 17/30218	<administrative transfer to G06F 16/1847>
D	G06F 17/30221	<administrative transfer to G06F 16/185>
D	G06F 17/30224	<administrative transfer to G06F 16/1858>
D	G06F 17/30227	<administrative transfer to G06F 16/1865>



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<b><u>Type*</u></b>	<b><u>From CPC Symbol (existing)</u></b>	<b><u>To CPC Symbol(s)</u></b>
D	G06F 17/3023	<administrative transfer to G06F 16/1873>
D	G06F 17/30233	<administrative transfer to G06F 16/188>
D	G06F 17/30235	<administrative transfer to G06F 16/192>
D	G06F 17/30238	<administrative transfer to G06F 16/196>
D	G06F 17/30241	<administrative transfer to G06F 16/29>
D	G06F 17/30244	<administrative transfer to G06F 16/50>
D	G06F 17/30247	<administrative transfer to G06F 16/583>
D	G06F 17/3025	<administrative transfer to G06F 16/5838>
D	G06F 17/30253	<administrative transfer to G06F 16/5846>
D	G06F 17/30256	<administrative transfer to G06F 16/5838>
D	G06F 17/30259	<administrative transfer to G06F 16/5854>
D	G06F 17/30262	<administrative transfer to G06F 16/5862>
D	G06F 17/30265	<administrative transfer to G06F 16/58>
D	G06F 17/30268	<administrative transfer to G06F 16/5866>
D	G06F 17/30271	<administrative transfer to G06F 16/56>
D	G06F 17/30274	<administrative transfer to G06F 16/54>
D	G06F 17/30277	<administrative transfer to G06F 16/532>
D	G06F 17/3028	<administrative transfer to G06F 16/51>
D	G06F 17/30283	<administrative transfer to G06F 16/27>
D	G06F 17/30286	<administrative transfer to G06F 16/20>
D	G06F 17/30289	<administrative transfer to G06F 16/21>
D	G06F 17/30292	<administrative transfer to G06F 16/211>
D	G06F 17/30294	<administrative transfer to G06F 16/212>
D	G06F 17/30297	<administrative transfer to G06F 16/213>
D	G06F 17/303	<administrative transfer to G06F 16/214>

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<b><u>Type*</u></b>	<b><u>From CPC Symbol (existing)</u></b>	<b><u>To CPC Symbol(s)</u></b>
D	G06F 17/30303	<administrative transfer to G06F 16/215>
D	G06F 17/30306	<administrative transfer to G06F 16/217>
D	G06F 17/30309	<administrative transfer to G06F 16/219>
D	G06F 17/30312	<administrative transfer to G06F 16/22>
D	G06F 17/30315	<administrative transfer to G06F 16/221>
D	G06F 17/30318	<administrative transfer to G06F 16/2219>
D	G06F 17/30321	<administrative transfer to G06F 16/2228>
D	G06F 17/30324	<administrative transfer to G06F 16/2237>
D	G06F 17/30327	<administrative transfer to G06F 16/2246>
D	G06F 17/3033	<administrative transfer to G06F 16/2255>
D	G06F 17/30333	<administrative transfer to G06F 16/2264>
D	G06F 17/30336	<administrative transfer to G06F 16/2272>
D	G06F 17/30339	<administrative transfer to G06F 16/2282>
D	G06F 17/30342	<administrative transfer to G06F 16/2291>
D	G06F 17/30345	<administrative transfer to G06F 16/23>
D	G06F 17/30348	<administrative transfer to G06F 16/2308>
D	G06F 17/30351	<administrative transfer to G06F 16/2315>
D	G06F 17/30353	<administrative transfer to G06F 16/2322>
D	G06F 17/30356	<administrative transfer to G06F 16/2329>
D	G06F 17/30359	<administrative transfer to G06F 16/2336>
D	G06F 17/30362	<administrative transfer to G06F 16/2343>
D	G06F 17/30365	<administrative transfer to G06F 16/235>
D	G06F 17/30368	<administrative transfer to G06F 16/2358>
D	G06F 17/30371	<administrative transfer to G06F 16/2365>
D	G06F 17/30374	<administrative transfer to G06F 16/2372>

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<b><u>Type*</u></b>	<b><u>From CPC Symbol (existing)</u></b>	<b><u>To CPC Symbol(s)</u></b>
D	G06F 17/30377	<administrative transfer to G06F 16/2379>
D	G06F 17/3038	<administrative transfer to G06F 16/2386>
D	G06F 17/30383	<administrative transfer to G06F 16/2393>
D	G06F 17/30386	<administrative transfer to G06F 16/24>
D	G06F 17/30389	<administrative transfer to G06F 16/242>
D	G06F 17/30392	<administrative transfer to G06F 16/2423>
D	G06F 17/30395	<administrative transfer to G06F 16/2425>
D	G06F 17/30398	<administrative transfer to G06F 16/2428>
D	G06F 17/30401	<administrative transfer to G06F 16/243>
D	G06F 17/30404	<administrative transfer to G06F 16/2433>
D	G06F 17/30407	<administrative transfer to G06F 16/2435>
D	G06F 17/3041	<administrative transfer to G06F 16/2438>
D	G06F 17/30412	<administrative transfer to G06F 16/244>
D	G06F 17/30415	<administrative transfer to G06F 16/2443>
D	G06F 17/30418	<administrative transfer to G06F 16/2445>
D	G06F 17/30421	<administrative transfer to G06F 16/2448>
D	G06F 17/30424	<administrative transfer to G06F 16/245>
D	G06F 17/30427	<administrative transfer to G06F 16/2452>
D	G06F 17/3043	<administrative transfer to G06F 16/24522>
D	G06F 17/30433	<administrative transfer to G06F 16/24524>
D	G06F 17/30436	<administrative transfer to G06F 16/24526>
D	G06F 17/30439	<administrative transfer to G06F 16/24528>
D	G06F 17/30442	<administrative transfer to G06F 16/2453>
D	G06F 17/30445	<administrative transfer to G06F 16/24532>
D	G06F 17/30448	<administrative transfer to G06F 16/24534>

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<b><u>Type*</u></b>	<b><u>From CPC Symbol (existing)</u></b>	<b><u>To CPC Symbol(s)</u></b>
D	G06F 17/30451	<administrative transfer to G06F 16/24535>
D	G06F 17/30454	<administrative transfer to G06F 16/24537>
D	G06F 17/30457	<administrative transfer to G06F 16/24539>
D	G06F 17/3046	<administrative transfer to G06F 16/2454>
D	G06F 17/30463	<administrative transfer to G06F 16/24542>
D	G06F 17/30466	<administrative transfer to G06F 16/24544>
D	G06F 17/30469	<administrative transfer to G06F 16/24545>
D	G06F 17/30471	<administrative transfer to G06F 16/24547>
D	G06F 17/30474	<administrative transfer to G06F 16/24549>
D	G06F 17/30477	<administrative transfer to G06F 16/2455>
D	G06F 17/3048	<administrative transfer to G06F 16/24552>
D	G06F 17/30483	<administrative transfer to G06F 16/24553>
D	G06F 17/30486	<administrative transfer to G06F 16/24554>
D	G06F 17/30489	<administrative transfer to G06F 16/24556>
D	G06F 17/30492	<administrative transfer to G06F 16/24557>
D	G06F 17/30495	<administrative transfer to G06F 16/24558>
D	G06F 17/30498	<administrative transfer to G06F 16/2456>
D	G06F 17/30501	<administrative transfer to G06F 16/24561>
D	G06F 17/30504	<administrative transfer to G06F 16/24562>
D	G06F 17/30507	<administrative transfer to G06F 16/24564>
D	G06F 17/3051	<administrative transfer to G06F 16/24565>
D	G06F 17/30513	<administrative transfer to G06F 16/24566>
D	G06F 17/30516	<administrative transfer to G06F 16/24568>
D	G06F 17/30519	<administrative transfer to G06F 16/24569>
D	G06F 17/30522	<administrative transfer to G06F 16/2457>

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<b><u>Type*</u></b>	<b><u>From CPC Symbol (existing)</u></b>	<b><u>To CPC Symbol(s)</u></b>
D	G06F 17/30525	<administrative transfer to G06F 16/24573>
D	G06F 17/30528	<administrative transfer to G06F 16/24575>
D	G06F 17/3053	<administrative transfer to G06F 16/24578>
D	G06F 17/30533	<administrative transfer to G06F 16/2458>
D	G06F 17/30536	<administrative transfer to G06F 16/2462>
D	G06F 17/30539	<administrative transfer to G06F 16/2465>
D	G06F 17/30542	<administrative transfer to G06F 16/2468>
D	G06F 17/30545	<administrative transfer to G06F 16/2471>
D	G06F 17/30548	<administrative transfer to G06F 16/2474>
D	G06F 17/30551	<administrative transfer to G06F 16/2477>
D	G06F 17/30554	<administrative transfer to G06F 16/248>
D	G06F 17/30557	<administrative transfer to G06F 16/25>
D	G06F 17/3056	<administrative transfer to G06F 16/252>
D	G06F 17/30563	<administrative transfer to G06F 16/254>
D	G06F 17/30566	<administrative transfer to G06F 16/256>
D	G06F 17/30569	<administrative transfer to G06F 16/258>
D	G06F 17/30572	<administrative transfer to G06F 16/26>
D	G06F 17/30575	<administrative transfer to G06F 16/27>
D	G06F 17/30578	<administrative transfer to G06F 16/273>
D	G06F 17/30581	<administrative transfer to G06F 16/275>
D	G06F 17/30584	<administrative transfer to G06F 16/278>
D	G06F 17/30587	<administrative transfer to G06F 16/28>
D	G06F 17/30589	<administrative transfer to G06F 16/282>
D	G06F 17/30592	<administrative transfer to G06F 16/283>
D	G06F 17/30595	<administrative transfer to G06F 16/284>

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<b><u>Type*</u></b>	<b><u>From CPC Symbol (existing)</u></b>	<b><u>To CPC Symbol(s)</u></b>
D	G06F 17/30598	<administrative transfer to G06F 16/285>
D	G06F 17/30601	<administrative transfer to G06F 16/287>
D	G06F 17/30604	<administrative transfer to G06F 16/288>
D	G06F 17/30607	<administrative transfer to G06F 16/289>
D	G06F 17/3061	<administrative transfer to G06F 16/30>
D	G06F 17/30613	<administrative transfer to G06F 16/31>
D	G06F 17/30616	<administrative transfer to G06F 16/313>
D	G06F 17/30619	<administrative transfer to G06F 16/316>
D	G06F 17/30622	<administrative transfer to G06F 16/319>
D	G06F 17/30625	<administrative transfer to G06F 16/322>
D	G06F 17/30628	<administrative transfer to G06F 16/325>
D	G06F 17/30631	<administrative transfer to G06F 16/328>
D	G06F 17/30634	<administrative transfer to G06F 16/33>
D	G06F 17/30637	<administrative transfer to G06F 16/332>
D	G06F 17/3064	<administrative transfer to G06F 16/3322>
D	G06F 17/30643	<administrative transfer to G06F 16/3323>
D	G06F 17/30646	<administrative transfer to G06F 16/3325>
D	G06F 17/30648	<administrative transfer to G06F 16/3326>
D	G06F 17/30651	<administrative transfer to G06F 16/3328>
D	G06F 17/30654	<administrative transfer to G06F 16/3329>
D	G06F 17/30657	<administrative transfer to G06F 16/3331>
D	G06F 17/3066	<administrative transfer to G06F 16/3332>
D	G06F 17/30663	<administrative transfer to G06F 16/3334>
D	G06F 17/30666	<administrative transfer to G06F 16/3335>
D	G06F 17/30669	<administrative transfer to G06F 16/3337>

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<b><u>Type*</u></b>	<b><u>From CPC Symbol (existing)</u></b>	<b><u>To CPC Symbol(s)</u></b>
D	G06F 17/30672	<administrative transfer to G06F 16/3338>
D	G06F 17/30675	<administrative transfer to G06F 16/334>
D	G06F 17/30678	<administrative transfer to G06F 16/3341>
D	G06F 17/30681	<administrative transfer to G06F 16/3343>
D	G06F 17/30684	<administrative transfer to G06F 16/3344>
D	G06F 17/30687	<administrative transfer to G06F 16/3346>
D	G06F 17/3069	<administrative transfer to G06F 16/3347>
D	G06F 17/30693	<administrative transfer to G06F 16/3349>
D	G06F 17/30696	<administrative transfer to G06F 16/338>
D	G06F 17/30699	<administrative transfer to G06F 16/335>
D	G06F 17/30702	<administrative transfer to G06F 16/337>
D	G06F 17/30705	<administrative transfer to G06F 16/35>
D	G06F 17/30707	<administrative transfer to G06F 16/353>
D	G06F 17/3071	<administrative transfer to G06F 16/355>
D	G06F 17/30713	<administrative transfer to G06F 16/358>
D	G06F 17/30716	<administrative transfer to G06F 16/34>
D	G06F 17/30719	<administrative transfer to G06F 16/345>
D	G06F 17/30722	<administrative transfer to G06F 16/38>
D	G06F 17/30725	<administrative transfer to G06F 16/381>
D	G06F 17/30728	<administrative transfer to G06F 16/382>
D	G06F 17/30731	<administrative transfer to G06F 16/36>
D	G06F 17/30734	<administrative transfer to G06F 16/367>
D	G06F 17/30737	<administrative transfer to G06F 16/374>
D	G06F 17/3074	<administrative transfer to G06F 16/60>
D	G06F 17/30743	<administrative transfer to G06F 16/683>

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<b><u>Type*</u></b>	<b><u>From CPC Symbol (existing)</u></b>	<b><u>To CPC Symbol(s)</u></b>
D	G06F 17/30746	<administrative transfer to G06F 16/685>
D	G06F 17/30749	<administrative transfer to G06F 16/68>
D	G06F 17/30752	<administrative transfer to G06F 16/686>
D	G06F 17/30755	<administrative transfer to G06F 16/632>
D	G06F 17/30758	<administrative transfer to G06F 16/634>
D	G06F 17/30761	<Administrative transfer to G06F 16/635>
D	G06F 17/30764	<administrative transfer to G06F 16/636>
D	G06F 17/30766	<administrative transfer to G06F 16/637>
D	G06F 17/30769	<administrative transfer to G06F 16/638>
D	G06F 17/30772	<administrative transfer to G06F 16/639>
D	G06F 17/30775	<administrative transfer to G06F 16/64>
D	G06F 17/30778	<administrative transfer to G06F 16/61>
D	G06F 17/30781	<administrative transfer to G06F 16/70>
D	G06F 17/30784	<administrative transfer to G06F 16/783>
D	G06F 17/30787	<administrative transfer to G06F 16/7834>
D	G06F 17/3079	<administrative transfer to G06F 16/7837>
D	G06F 17/30793	<administrative transfer to G06F 16/784>
D	G06F 17/30796	<administrative transfer to G06F 16/7844>
D	G06F 17/30799	<administrative transfer to G06F 16/7847>
D	G06F 17/30802	<administrative transfer to G06F 16/785>
D	G06F 17/30805	<administrative transfer to G06F 16/7854>
D	G06F 17/30808	<administrative transfer to G06F 16/7857>
D	G06F 17/30811	<administrative transfer to G06F 16/786>
D	G06F 17/30814	<administrative transfer to G06F 16/7864>
D	G06F 17/30817	<administrative transfer to G06F 16/78>



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<b><u>Type*</u></b>	<b><u>From CPC Symbol (existing)</u></b>	<b><u>To CPC Symbol(s)</u></b>
D	G06F 17/3082	<administrative transfer to G06F 16/7867>
D	G06F 17/30823	<administrative transfer to G06F 16/73>
D	G06F 17/30825	<administrative transfer to G06F 16/7328>
D	G06F 17/30828	<administrative transfer to G06F 16/735>
D	G06F 17/30831	<administrative transfer to G06F 16/7335>
D	G06F 17/30834	<administrative transfer to G06F 16/7343>
D	G06F 17/30837	<administrative transfer to G06F 16/738>
D	G06F 17/3084	<administrative transfer to G06F 16/738>
D	G06F 17/30843	<administrative transfer to G06F 16/739>
D	G06F 17/30846	<administrative transfer to G06F 16/74>
D	G06F 17/30849	<administrative transfer to G06F 16/743>
D	G06F 17/30852	<administrative transfer to G06F 16/745>
D	G06F 17/30855	<administrative transfer to G06F 16/748>
D	G06F 17/30858	<administrative transfer to G06F 16/71>
D	G06F 17/30861	<administrative transfer to G06F 16/95>
D	G06F 17/30864	<administrative transfer to G06F 16/951>
D	G06F 17/30867	<administrative transfer to G06F 16/9535>
D	G06F 17/3087	<administrative transfer to G06F 16/9537>
D	G06F 17/30873	<administrative transfer to G06F 16/954>
D	G06F 17/30876	<administrative transfer to G06F 16/955>
D	G06F 17/30879	<administrative transfer to G06F 16/9554>
D	G06F 17/30882	<administrative transfer to G06F 16/9558>
D	G06F 17/30884	<administrative transfer to G06F 16/9562>
D	G06F 17/30887	<administrative transfer to G06F 16/9566>
D	G06F 17/3089	<administrative transfer to G06F 16/958>

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<b><u>Type*</u></b>	<b><u>From CPC Symbol (existing)</u></b>	<b><u>To CPC Symbol(s)</u></b>
D	G06F 17/30893	<administrative transfer to G06F 16/972>
D	G06F 17/30896	<administrative transfer to G06F 16/986>
D	G06F 17/30899	<administrative transfer to G06F 16/957>
D	G06F 17/30902	<administrative transfer to G06F 16/9574>
D	G06F 17/30905	<administrative transfer to G06F 16/9577>
D	G06F 17/30908	<administrative transfer to G06F 16/80>
D	G06F 17/30911	<administrative transfer to G06F 16/81>
D	G06F 17/30914	<administrative transfer to G06F 16/84>
D	G06F 17/30917	<administrative transfer to G06F 16/86>
D	G06F 17/3092	<administrative transfer to G06F 16/88>
D	G06F 17/30923	<administrative transfer to G06F 16/83>
D	G06F 17/30926	<administrative transfer to G06F 16/832>
D	G06F 17/30929	<administrative transfer to G06F 16/835>
D	G06F 17/30932	<administrative transfer to G06F 16/8358>
D	G06F 17/30935	<administrative transfer to G06F 16/8365>
D	G06F 17/30938	<administrative transfer to G06F 16/8373>
D	G06F 17/30941	<administrative transfer to G06F 16/838>
D	G06F 17/30943	<administrative transfer to G06F 16/90>
D	G06F 17/30946	<administrative transfer to G06F 16/901>
D	G06F 17/30949	<administrative transfer to G06F 16/9014>
D	G06F 17/30952	<administrative transfer to G06F 16/9017>
D	G06F 17/30955	<administrative transfer to G06F 16/902>
D	G06F 17/30958	<administrative transfer to G06F 16/9024>
D	G06F 17/30961	<administrative transfer to G06F 16/9027>
D	G06F 17/30964	<administrative transfer to G06F 16/903>

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<b>Type*</b>	<b>From CPC Symbol (existing)</b>	<b>To CPC Symbol(s)</b>
D	G06F 17/30967	<administrative transfer to G06F 16/9032>
D	G06F 17/3097	<administrative transfer to G06F 16/90324>
D	G06F 17/30973	<administrative transfer to G06F 16/90328>
D	G06F 17/30976	<administrative transfer to G06F 16/90332>
D	G06F 17/30979	<administrative transfer to G06F 16/90335>
D	G06F 17/30982	<administrative transfer to G06F 16/90339>
D	G06F 17/30985	<administrative transfer to G06F 16/90344>
D	G06F 17/30988	<administrative transfer to G06F 16/90348>
D	G06F 17/30991	<administrative transfer to G06F 16/9038>
D	G06F 17/30994	<administrative transfer to G06F 16/904>
D	G06F 17/30997	<administrative transfer to G06F 16/907>

\* 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:

- Only 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”.
- 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)

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 16/00	G06F 16/00	NEW
G06F 16/10	G06F 16/10	NEW
G06F 16/11	G06F 16/11	NEW
G06F 16/113	G06F 16/11	NEW
G06F 16/116	G06F 16/11	NEW
G06F 16/119	G06F 16/11	NEW
G06F 16/122	G06F 16/11	NEW
G06F 16/125	G06F 16/11	NEW
G06F 16/128	G06F 16/11	NEW
G06F 16/13	G06F 16/13	NEW
G06F 16/134	G06F 16/13	NEW
G06F 16/137	G06F 16/13	NEW
G06F 16/14	G06F 16/14	NEW
G06F 16/144	G06F 16/14	NEW
G06F 16/148	G06F 16/14	NEW
G06F 16/152	G06F 16/14	NEW
G06F 16/156	G06F 16/14	NEW
G06F 16/16	G06F 16/16	NEW
G06F 16/162	G06F 16/16	NEW
G06F 16/164	G06F 16/16	NEW
G06F 16/166	G06F 16/16	NEW
G06F 16/168	G06F 16/16	NEW
G06F 16/17	G06F 16/17	NEW
G06F 16/172	G06F 16/172	NEW
G06F 16/1724	G06F 16/17	NEW
G06F 16/1727	G06F 16/17	NEW
G06F 16/173	G06F 16/17	NEW
G06F 16/1734	G06F 16/17	NEW
G06F 16/1737	G06F 16/17	NEW
G06F 16/174	G06F 16/174	NEW
G06F 16/1744	G06F 16/174	NEW
G06F 16/1748	G06F 16/174	NEW
G06F 16/1752	G06F 16/174	NEW
G06F 16/1756	G06F 16/174	NEW
G06F 16/176	G06F 16/176	NEW
G06F 16/1767	G06F 16/176	NEW
G06F 16/1774	G06F 16/176	NEW
G06F 16/178	G06F 16/178	NEW
G06F 16/1787	G06F 16/178	NEW
G06F 16/1794	G06F 16/178	NEW

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<b><u>CPC</u></b>	<b><u>IPC</u></b>	<b><u>Action*</u></b>
G06F 16/18	G06F 16/18	NEW
G06F 16/1805	G06F 16/18	NEW
G06F 16/181	G06F 16/18	NEW
G06F 16/1815	G06F 16/18	NEW
G06F 16/182	G06F 16/182	NEW
G06F 16/1824	G06F 16/182	NEW
G06F 16/1827	G06F 16/182	NEW
G06F 16/183	G06F 16/182	NEW
G06F 16/1834	G06F 16/182	NEW
G06F 16/1837	G06F 16/182	NEW
G06F 16/184	G06F 16/182	NEW
G06F 16/1844	G06F 16/182	NEW
G06F 16/1847	G06F 16/18	NEW
G06F 16/185	G06F 16/185	NEW
G06F 16/1858	G06F 16/18	NEW
G06F 16/1865	G06F 16/18	NEW
G06F 16/1873	G06F 16/18	NEW
G06F 16/188	G06F 16/188	NEW
G06F 16/192	G06F 16/188	NEW
G06F 16/196	G06F 16/188	NEW
G06F 16/20	G06F 16/20	NEW
G06F 16/21	G06F 16/21	NEW
G06F 16/211	G06F 16/21	NEW
G06F 16/212	G06F 16/21	NEW
G06F 16/213	G06F 16/21	NEW
G06F 16/214	G06F 16/21	NEW
G06F 16/215	G06F 16/215	NEW
G06F 16/217	G06F 16/21	NEW
G06F 16/219	G06F 16/21	NEW
G06F 16/22	G06F 16/22	NEW
G06F 16/221	G06F 16/22	NEW
G06F 16/2219	G06F 16/22	NEW
G06F 16/2228	G06F 16/22	NEW
G06F 16/2237	G06F 16/22	NEW
G06F 16/2246	G06F 16/22	NEW
G06F 16/2255	G06F 16/22	NEW
G06F 16/2264	G06F 16/22	NEW
G06F 16/2272	G06F 16/22	NEW
G06F 16/2282	G06F 16/22	NEW
G06F 16/2291	G06F 16/22	NEW
G06F 16/23	G06F 16/23	NEW
G06F 16/2308	G06F 16/23	NEW
G06F 16/2315	G06F 16/23	NEW
G06F 16/2322	G06F 16/23	NEW
G06F 16/2329	G06F 16/23	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 16/2336	G06F 16/23	NEW
G06F 16/2343	G06F 16/23	NEW
G06F 16/235	G06F 16/23	NEW
G06F 16/2358	G06F 16/23	NEW
G06F 16/2365	G06F 16/23	NEW
G06F 16/2372	G06F 16/23	NEW
G06F 16/2379	G06F 16/23	NEW
G06F 16/2386	G06F 16/23	NEW
G06F 16/2393	G06F 16/23	NEW
G06F 16/24	G06F 16/24	NEW
G06F 16/242	G06F 16/242	NEW
G06F 16/2423	G06F 16/242	NEW
G06F 16/2425	G06F 16/242	NEW
G06F 16/2428	G06F 16/242	NEW
G06F 16/243	G06F 16/242	NEW
G06F 16/2433	G06F 16/242	NEW
G06F 16/2435	G06F 16/242	NEW
G06F 16/2438	G06F 16/242	NEW
G06F 16/244	G06F 16/242	NEW
G06F 16/2443	G06F 16/242	NEW
G06F 16/2445	G06F 16/242	NEW
G06F 16/2448	G06F 16/242	NEW
G06F 16/245	G06F 16/245	NEW
G06F 16/2452	G06F 16/2452	NEW
G06F 16/24522	G06F 16/2452	NEW
G06F 16/24524	G06F 16/2452	NEW
G06F 16/24526	G06F 16/2452	NEW
G06F 16/24528	G06F 16/2452	NEW
G06F 16/2453	G06F 16/2453	NEW
G06F 16/24532	G06F 16/2453	NEW
G06F 16/24534	G06F 16/2453	NEW
G06F 16/24535	G06F 16/2453	NEW
G06F 16/24537	G06F 16/2453	NEW
G06F 16/24539	G06F 16/2453	NEW
G06F 16/2454	G06F 16/2453	NEW
G06F 16/24542	G06F 16/2453	NEW
G06F 16/24544	G06F 16/2453	NEW
G06F 16/24545	G06F 16/2453	NEW
G06F 16/24547	G06F 16/2453	NEW
G06F 16/24549	G06F 16/2453	NEW
G06F 16/2455	G06F 16/2455	NEW
G06F 16/24552	G06F 16/2455	NEW
G06F 16/24553	G06F 16/2455	NEW
G06F 16/24554	G06F 16/2455	NEW
G06F 16/24556	G06F 16/2455	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 16/24557	G06F 16/2455	NEW
G06F 16/24558	G06F 16/2455	NEW
G06F 16/2456	G06F 16/2455	NEW
G06F 16/24561	G06F 16/2455	NEW
G06F 16/24562	G06F 16/2455	NEW
G06F 16/24564	G06F 16/2455	NEW
G06F 16/24565	G06F 16/2455	NEW
G06F 16/24566	G06F 16/2455	NEW
G06F 16/24568	G06F 16/2455	NEW
G06F 16/24569	G06F 16/245	NEW
G06F 16/2457	G06F 16/2457	NEW
G06F 16/24573	G06F 16/2457	NEW
G06F 16/24575	G06F 16/2457	NEW
G06F 16/24578	G06F 16/2457	NEW
G06F 16/2458	G06F 16/2458	NEW
G06F 16/2462	G06F 16/2458	NEW
G06F 16/2465	G06F 16/2458	NEW
G06F 16/2468	G06F 16/2458	NEW
G06F 16/2471	G06F 16/2458	NEW
G06F 16/2474	G06F 16/2458	NEW
G06F 16/2477	G06F 16/2458	NEW
G06F 16/248	G06F 16/248	NEW
G06F 16/25	G06F 16/25	NEW
G06F 16/252	G06F 16/25	NEW
G06F 16/254	G06F 16/25	NEW
G06F 16/256	G06F 16/25	NEW
G06F 16/258	G06F 16/25	NEW
G06F 16/26	G06F 16/26	NEW
G06F 16/27	G06F 16/27	NEW
G06F 16/273	G06F 16/27	NEW
G06F 16/275	G06F 16/27	NEW
G06F 16/278	G06F 16/27	NEW
G06F 16/28	G06F 16/28	NEW
G06F 16/282	G06F 16/28	NEW
G06F 16/283	G06F 16/28	NEW
G06F 16/284	G06F 16/28	NEW
G06F 16/285	G06F 16/28	NEW
G06F 16/287	G06F 16/28	NEW
G06F 16/288	G06F 16/28	NEW
G06F 16/289	G06F 16/28	NEW
G06F 16/29	G06F 16/29	NEW
G06F 16/30	G06F 16/30	NEW
G06F 16/31	G06F 16/31	NEW
G06F 16/313	G06F 16/31	NEW
G06F 16/316	G06F 16/31	NEW

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<b><u>CPC</u></b>	<b><u>IPC</u></b>	<b><u>Action*</u></b>
G06F 16/319	G06F 16/31	NEW
G06F 16/322	G06F 16/31	NEW
G06F 16/325	G06F 16/31	NEW
G06F 16/328	G06F 16/31	NEW
G06F 16/33	G06F 16/33	NEW
G06F 16/332	G06F 16/332	NEW
G06F 16/3322	G06F 16/332	NEW
G06F 16/3323	G06F 16/332	NEW
G06F 16/3325	G06F 16/332	NEW
G06F 16/3326	G06F 16/332	NEW
G06F 16/3328	G06F 16/332	NEW
G06F 16/3329	G06F 16/332	NEW
G06F 16/3331	G06F 16/33	NEW
G06F 16/3332	G06F 16/33	NEW
G06F 16/3334	G06F 16/33	NEW
G06F 16/3335	G06F 16/33	NEW
G06F 16/3337	G06F 16/33	NEW
G06F 16/3338	G06F 16/33	NEW
G06F 16/334	G06F 16/33	NEW
G06F 16/3341	G06F 16/33	NEW
G06F 16/3343	G06F 16/33	NEW
G06F 16/3344	G06F 16/33	NEW
G06F 16/3346	G06F 16/33	NEW
G06F 16/3347	G06F 16/33	NEW
G06F 16/3349	G06F 16/33	NEW
G06F 16/335	G06F 16/335	NEW
G06F 16/337	G06F 16/335	NEW
G06F 16/338	G06F 16/338	NEW
G06F 16/34	G06F 16/34	NEW
G06F 16/345	G06F 16/34	NEW
G06F 16/35	G06F 16/35	NEW
G06F 16/353	G06F 16/35	NEW
G06F 16/355	G06F 16/35	NEW
G06F 16/358	G06F 16/35	NEW
G06F 16/36	G06F 16/36	NEW
G06F 16/367	G06F 16/36	NEW
G06F 16/374	G06F 16/36	NEW
G06F 16/38	G06F 16/38	NEW
G06F 16/381	G06F 16/38	NEW
G06F 16/382	G06F 16/38	NEW
G06F 16/383	G06F 16/383	NEW
G06F 16/387	G06F 16/387	NEW
G06F 16/40	G06F 16/40	NEW
G06F 16/41	G06F 16/41	NEW
G06F 16/43	G06F 16/43	NEW



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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 16/432	G06F 16/432	NEW
G06F 16/433	G06F 16/432	NEW
G06F 16/434	G06F 16/432	NEW
G06F 16/435	G06F 16/435	NEW
G06F 16/436	G06F 16/435	NEW
G06F 16/437	G06F 16/435	NEW
G06F 16/438	G06F 16/438	NEW
G06F 16/4387	G06F 16/438	NEW
G06F 16/4393	G06F 16/438	NEW
G06F 16/44	G06F 16/44	NEW
G06F 16/444	G06F 16/44	NEW
G06F 16/447	G06F 16/44	NEW
G06F 16/45	G06F 16/45	NEW
G06F 16/48	G06F 16/48	NEW
G06F 16/483	G06F 16/483	NEW
G06F 16/487	G06F 16/487	NEW
G06F 16/489	G06F 16/48	NEW
G06F 16/50	G06F 16/50	NEW
G06F 16/51	G06F 16/51	NEW
G06F 16/53	G06F 16/53	NEW
G06F 16/532	G06F 16/532	NEW
G06F 16/535	G06F 16/535	NEW
G06F 16/538	G06F 16/538	NEW
G06F 16/54	G06F 16/54	NEW
G06F 16/55	G06F 16/55	NEW
G06F 16/56	G06F 16/56	NEW
G06F 16/58	G06F 16/58	NEW
G06F 16/583	G06F 16/583	NEW
G06F 16/5838	G06F 16/583	NEW
G06F 16/5846	G06F 16/583	NEW
G06F 16/5854	G06F 16/583	NEW
G06F 16/5862	G06F 16/583	NEW
G06F 16/5866	G06F 16/58	NEW
G06F 16/587	G06F 16/587	NEW
G06F 16/60	G06F 16/60	NEW
G06F 16/61	G06F 16/61	NEW
G06F 16/63	G06F 16/63	NEW
G06F 16/632	G06F 16/632	NEW
G06F 16/634	G06F 16/632	NEW
G06F 16/635	G06F 16/635	NEW
G06F 16/636	G06F 16/635	NEW
G06F 16/637	G06F 16/635	NEW
G06F 16/638	G06F 16/638	NEW
G06F 16/639	G06F 16/638	NEW
G06F 16/64	G06F 16/64	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 16/65	G06F 16/65	NEW
G06F 16/68	G06F 16/68	NEW
G06F 16/683	G06F 16/683	NEW
G06F 16/685	G06F 16/683	NEW
G06F 16/686	G06F 16/68	NEW
G06F 16/687	G06F 16/687	NEW
G06F 16/70	G06F 16/70	NEW
G06F 16/71	G06F 16/71	NEW
G06F 16/73	G06F 16/73	NEW
G06F 16/732	G06F 16/732	NEW
G06F 16/7328	G06F 16/732	NEW
G06F 16/7335	G06F 16/732	NEW
G06F 16/7343	G06F 16/732	NEW
G06F 16/735	G06F 16/735	NEW
G06F 16/738	G06F 16/738	NEW
G06F 16/739	G06F 16/738	NEW
G06F 16/74	G06F 16/74	NEW
G06F 16/743	G06F 16/74	NEW
G06F 16/745	G06F 16/74	NEW
G06F 16/748	G06F 16/74	NEW
G06F 16/75	G06F 16/75	NEW
G06F 16/78	G06F 16/78	NEW
G06F 16/783	G06F 16/783	NEW
G06F 16/7834	G06F 16/783	NEW
G06F 16/7837	G06F 16/783	NEW
G06F 16/784	G06F 16/783	NEW
G06F 16/7844	G06F 16/783	NEW
G06F 16/7847	G06F 16/783	NEW
G06F 16/785	G06F 16/783	NEW
G06F 16/7854	G06F 16/783	NEW
G06F 16/7857	G06F 16/783	NEW
G06F 16/786	G06F 16/783	NEW
G06F 16/7864	G06F 16/783	NEW
G06F 16/7867	G06F 16/78	NEW
G06F 16/787	G06F 16/787	NEW
G06F 16/80	G06F 16/80	NEW
G06F 16/81	G06F 16/81	NEW
G06F 16/83	G06F 16/83	NEW
G06F 16/832	G06F 16/832	NEW
G06F 16/835	G06F 16/835	NEW
G06F 16/8358	G06F 16/835	NEW
G06F 16/8365	G06F 16/835	NEW
G06F 16/8373	G06F 16/835	NEW
G06F 16/838	G06F 16/838	NEW
G06F 16/84	G06F 16/84	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 16/86	G06F 16/84	NEW
G06F 16/88	G06F 16/84	NEW
G06F 16/90	G06F 16/90	NEW
G06F 16/901	G06F 16/901	NEW
G06F 16/9014	G06F 16/901	NEW
G06F 16/9017	G06F 16/901	NEW
G06F 16/902	G06F 16/901	NEW
G06F 16/9024	G06F 16/901	NEW
G06F 16/9027	G06F 16/901	NEW
G06F 16/903	G06F 16/903	NEW
G06F 16/9032	G06F 16/9032	NEW
G06F 16/90324	G06F 16/9032	NEW
G06F 16/90328	G06F 16/9032	NEW
G06F 16/90332	G06F 16/9032	NEW
G06F 16/90335	G06F 16/903	NEW
G06F 16/90339	G06F 16/903	NEW
G06F 16/90344	G06F 16/903	NEW
G06F 16/90348	G06F 16/903	NEW
G06F 16/9035	G06F 16/9035	NEW
G06F 16/9038	G06F 16/9038	NEW
G06F 16/904	G06F 16/904	NEW
G06F 16/906	G06F 16/906	NEW
G06F 16/907	G06F 16/907	NEW
G06F 16/908	G06F 16/908	NEW
G06F 16/909	G06F 16/909	NEW
G06F 16/93	G06F 16/93	NEW
G06F 16/94	G06F 16/93	NEW
G06F 16/95	G06F 16/95	NEW
G06F 16/951	G06F 16/951	NEW
G06F 16/953	G06F 16/953	NEW
G06F 16/9532	G06F 16/9532	NEW
G06F 16/9535	G06F 16/9535	NEW
G06F 16/9536	G06F 16/9536	NEW
G06F 16/9537	G06F 16/9537	NEW
G06F 16/9538	G06F 16/9538	NEW
G06F 16/954	G06F 16/954	NEW
G06F 16/955	G06F 16/955	NEW
G06F 16/9554	G06F 16/955	NEW
G06F 16/9558	G06F 16/955	NEW
G06F 16/9562	G06F 16/955	NEW
G06F 16/9566	G06F 16/955	NEW
G06F 16/957	G06F 16/957	NEW
G06F 16/9574	G06F 16/957	NEW
G06F 16/9577	G06F 16/957	NEW
G06F 16/958	G06F 16/958	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 16/972	G06F 16/958	NEW
G06F 16/986	G06F 16/958	NEW
G06F 17/30		DELETE
G06F 17/30002		DELETE
G06F 17/30005		DELETE
G06F 17/30008		DELETE
G06F 17/30011		DELETE
G06F 17/30014		DELETE
G06F 17/30017		DELETE
G06F 17/3002		DELETE
G06F 17/30023		DELETE
G06F 17/30026		DELETE
G06F 17/30029		DELETE
G06F 17/30032		DELETE
G06F 17/30035		DELETE
G06F 17/30038		DELETE
G06F 17/30041		DELETE
G06F 17/30044		DELETE
G06F 17/30047		DELETE
G06F 17/3005		DELETE
G06F 17/30053		DELETE
G06F 17/30056		DELETE
G06F 17/30058		DELETE
G06F 17/30061		DELETE
G06F 17/30064		DELETE
G06F 17/30067		DELETE
G06F 17/3007		DELETE
G06F 17/30073		DELETE
G06F 17/30076		DELETE
G06F 17/30079		DELETE
G06F 17/30082		DELETE
G06F 17/30085		DELETE
G06F 17/30088		DELETE
G06F 17/30091		DELETE
G06F 17/30094		DELETE
G06F 17/30097		DELETE
G06F 17/301		DELETE
G06F 17/30103		DELETE
G06F 17/30106		DELETE
G06F 17/30109		DELETE
G06F 17/30112		DELETE
G06F 17/30115		DELETE
G06F 17/30117		DELETE
G06F 17/3012		DELETE
G06F 17/30123		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 17/30126		DELETE
G06F 17/30129		DELETE
G06F 17/30132		DELETE
G06F 17/30135		DELETE
G06F 17/30138		DELETE
G06F 17/30141		DELETE
G06F 17/30144		DELETE
G06F 17/30147		DELETE
G06F 17/3015		DELETE
G06F 17/30153		DELETE
G06F 17/30156		DELETE
G06F 17/30159		DELETE
G06F 17/30162		DELETE
G06F 17/30165		DELETE
G06F 17/30168		DELETE
G06F 17/30171		DELETE
G06F 17/30174		DELETE
G06F 17/30176		DELETE
G06F 17/30179		DELETE
G06F 17/30182		DELETE
G06F 17/30185		DELETE
G06F 17/30188		DELETE
G06F 17/30191		DELETE
G06F 17/30194		DELETE
G06F 17/30197		DELETE
G06F 17/302		DELETE
G06F 17/30203		DELETE
G06F 17/30206		DELETE
G06F 17/30209		DELETE
G06F 17/30212		DELETE
G06F 17/30215		DELETE
G06F 17/30218		DELETE
G06F 17/30221		DELETE
G06F 17/30224		DELETE
G06F 17/30227		DELETE
G06F 17/3023		DELETE
G06F 17/30233		DELETE
G06F 17/30235		DELETE
G06F 17/30238		DELETE
G06F 17/30241		DELETE
G06F 17/30244		DELETE
G06F 17/30247		DELETE
G06F 17/3025		DELETE
G06F 17/30253		DELETE
G06F 17/30256		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 17/30259		DELETE
G06F 17/30262		DELETE
G06F 17/30265		DELETE
G06F 17/30268		DELETE
G06F 17/30271		DELETE
G06F 17/30274		DELETE
G06F 17/30277		DELETE
G06F 17/3028		DELETE
G06F 17/30283		DELETE
G06F 17/30286		DELETE
G06F 17/30289		DELETE
G06F 17/30292		DELETE
G06F 17/30294		DELETE
G06F 17/30297		DELETE
G06F 17/303		DELETE
G06F 17/30303		DELETE
G06F 17/30306		DELETE
G06F 17/30309		DELETE
G06F 17/30312		DELETE
G06F 17/30315		DELETE
G06F 17/30318		DELETE
G06F 17/30321		DELETE
G06F 17/30324		DELETE
G06F 17/30327		DELETE
G06F 17/3033		DELETE
G06F 17/30333		DELETE
G06F 17/30336		DELETE
G06F 17/30339		DELETE
G06F 17/30342		DELETE
G06F 17/30345		DELETE
G06F 17/30348		DELETE
G06F 17/30351		DELETE
G06F 17/30353		DELETE
G06F 17/30356		DELETE
G06F 17/30359		DELETE
G06F 17/30362		DELETE
G06F 17/30365		DELETE
G06F 17/30368		DELETE
G06F 17/30371		DELETE
G06F 17/30374		DELETE
G06F 17/30377		DELETE
G06F 17/3038		DELETE
G06F 17/30383		DELETE
G06F 17/30386		DELETE
G06F 17/30389		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 17/30392		DELETE
G06F 17/30395		DELETE
G06F 17/30398		DELETE
G06F 17/30401		DELETE
G06F 17/30404		DELETE
G06F 17/30407		DELETE
G06F 17/3041		DELETE
G06F 17/30412		DELETE
G06F 17/30415		DELETE
G06F 17/30418		DELETE
G06F 17/30421		DELETE
G06F 17/30424		DELETE
G06F 17/30427		DELETE
G06F 17/3043		DELETE
G06F 17/30433		DELETE
G06F 17/30436		DELETE
G06F 17/30439		DELETE
G06F 17/30442		DELETE
G06F 17/30445		DELETE
G06F 17/30448		DELETE
G06F 17/30451		DELETE
G06F 17/30454		DELETE
G06F 17/30457		DELETE
G06F 17/3046		DELETE
G06F 17/30463		DELETE
G06F 17/30466		DELETE
G06F 17/30469		DELETE
G06F 17/30471		DELETE
G06F 17/30474		DELETE
G06F 17/30477		DELETE
G06F 17/3048		DELETE
G06F 17/30483		DELETE
G06F 17/30486		DELETE
G06F 17/30489		DELETE
G06F 17/30492		DELETE
G06F 17/30495		DELETE
G06F 17/30498		DELETE
G06F 17/30501		DELETE
G06F 17/30504		DELETE
G06F 17/30507		DELETE
G06F 17/3051		DELETE
G06F 17/30513		DELETE
G06F 17/30516		DELETE
G06F 17/30519		DELETE
G06F 17/30522		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 17/30525		DELETE
G06F 17/30528		DELETE
G06F 17/3053		DELETE
G06F 17/30533		DELETE
G06F 17/30536		DELETE
G06F 17/30539		DELETE
G06F 17/30542		DELETE
G06F 17/30545		DELETE
G06F 17/30548		DELETE
G06F 17/30551		DELETE
G06F 17/30554		DELETE
G06F 17/30557		DELETE
G06F 17/3056		DELETE
G06F 17/30563		DELETE
G06F 17/30566		DELETE
G06F 17/30569		DELETE
G06F 17/30572		DELETE
G06F 17/30575		DELETE
G06F 17/30578		DELETE
G06F 17/30581		DELETE
G06F 17/30584		DELETE
G06F 17/30587		DELETE
G06F 17/30589		DELETE
G06F 17/30592		DELETE
G06F 17/30595		DELETE
G06F 17/30598		DELETE
G06F 17/30601		DELETE
G06F 17/30604		DELETE
G06F 17/30607		DELETE
G06F 17/3061		DELETE
G06F 17/30613		DELETE
G06F 17/30616		DELETE
G06F 17/30619		DELETE
G06F 17/30622		DELETE
G06F 17/30625		DELETE
G06F 17/30628		DELETE
G06F 17/30631		DELETE
G06F 17/30634		DELETE
G06F 17/30637		DELETE
G06F 17/3064		DELETE
G06F 17/30643		DELETE
G06F 17/30646		DELETE
G06F 17/30648		DELETE
G06F 17/30651		DELETE
G06F 17/30654		DELETE



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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 17/30657		DELETE
G06F 17/3066		DELETE
G06F 17/30663		DELETE
G06F 17/30666		DELETE
G06F 17/30669		DELETE
G06F 17/30672		DELETE
G06F 17/30675		DELETE
G06F 17/30678		DELETE
G06F 17/30681		DELETE
G06F 17/30684		DELETE
G06F 17/30687		DELETE
G06F 17/3069		DELETE
G06F 17/30693		DELETE
G06F 17/30696		DELETE
G06F 17/30699		DELETE
G06F 17/30702		DELETE
G06F 17/30705		DELETE
G06F 17/30707		DELETE
G06F 17/3071		DELETE
G06F 17/30713		DELETE
G06F 17/30716		DELETE
G06F 17/30719		DELETE
G06F 17/30722		DELETE
G06F 17/30725		DELETE
G06F 17/30728		DELETE
G06F 17/30731		DELETE
G06F 17/30734		DELETE
G06F 17/30737		DELETE
G06F 17/3074		DELETE
G06F 17/30743		DELETE
G06F 17/30746		DELETE
G06F 17/30749		DELETE
G06F 17/30752		DELETE
G06F 17/30755		DELETE
G06F 17/30758		DELETE
G06F 17/30761		DELETE
G06F 17/30764		DELETE
G06F 17/30766		DELETE
G06F 17/30769		DELETE
G06F 17/30772		DELETE
G06F 17/30775		DELETE
G06F 17/30778		DELETE
G06F 17/30781		DELETE
G06F 17/30784		DELETE
G06F 17/30787		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 17/3079		DELETE
G06F 17/30793		DELETE
G06F 17/30796		DELETE
G06F 17/30799		DELETE
G06F 17/30802		DELETE
G06F 17/30805		DELETE
G06F 17/30808		DELETE
G06F 17/30811		DELETE
G06F 17/30814		DELETE
G06F 17/30817		DELETE
G06F 17/3082		DELETE
G06F 17/30823		DELETE
G06F 17/30825		DELETE
G06F 17/30828		DELETE
G06F 17/30831		DELETE
G06F 17/30834		DELETE
G06F 17/30837		DELETE
G06F 17/3084		DELETE
G06F 17/30843		DELETE
G06F 17/30846		DELETE
G06F 17/30849		DELETE
G06F 17/30852		DELETE
G06F 17/30855		DELETE
G06F 17/30858		DELETE
G06F 17/30861		DELETE
G06F 17/30864		DELETE
G06F 17/30867		DELETE
G06F 17/3087		DELETE
G06F 17/30873		DELETE
G06F 17/30876		DELETE
G06F 17/30879		DELETE
G06F 17/30882		DELETE
G06F 17/30884		DELETE
G06F 17/30887		DELETE
G06F 17/3089		DELETE
G06F 17/30893		DELETE
G06F 17/30896		DELETE
G06F 17/30899		DELETE
G06F 17/30902		DELETE
G06F 17/30905		DELETE
G06F 17/30908		DELETE
G06F 17/30911		DELETE
G06F 17/30914		DELETE
G06F 17/30917		DELETE
G06F 17/3092		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 17/30923		DELETE
G06F 17/30926		DELETE
G06F 17/30929		DELETE
G06F 17/30932		DELETE
G06F 17/30935		DELETE
G06F 17/30938		DELETE
G06F 17/30941		DELETE
G06F 17/30943		DELETE
G06F 17/30946		DELETE
G06F 17/30949		DELETE
G06F 17/30952		DELETE
G06F 17/30955		DELETE
G06F 17/30958		DELETE
G06F 17/30961		DELETE
G06F 17/30964		DELETE
G06F 17/30967		DELETE
G06F 17/3097		DELETE
G06F 17/30973		DELETE
G06F 17/30976		DELETE
G06F 17/30979		DELETE
G06F 17/30982		DELETE
G06F 17/30985		DELETE
G06F 17/30988		DELETE
G06F 17/30991		DELETE
G06F 17/30994		DELETE
G06F 17/30997		DELETE

\*Action column:

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

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5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G06F3/06	G06F17/30	G06F 16/00
G06F7/02	G06F17/30	G06F 16/00
G06F11/1474	G06F17/30286	G06F 16/20
G06F17/2235	G06F17/30014	G06F 16/94
G06F17/2247	G06F17/30	G06F 16/00
G06F17/246	G06F17/30595	G06F 16/284
G06F17/289	G06F17/30	G06F 16/00
G06F2216/00	G06F17/30	G06F 16/00
G06K9/00	G06F17/30	G06F 16/00
G06K9/00624	G06F17/30244	G06F 16/50
G06K9/00624	G06F17/30781	G06F 16/70
G06K9/00711	G06F17/30781	G06F 16/70
G06K9/00744	G06F17/30784	G06F 16/783
G06K9/00751	G06F17/30843	G06F 16/739
G06K9/6263	G06F17/30	G06F 16/00
G06K17/0016	G06F17/30	G06F 16/00
G10H2240/005	G06F17/3074	G06F 16/60
G10H2240/075	G06F17/3074	G06F 16/60
G10H2240/121	G06F17/3074	G06F 16/60
G11C15/00	G06F17/30	G06F 16/00
H04L12/2812	G06F17/30861	G06F 16/95
H04L29/0809	G06F17/30861	G06F 16/95
H04L29/08306	G06F17/30	G06F 16/00
H04L29/08729	G06F17/30902	G06F 16/9574
H04L29/08783	G06F17/30905	G06F 16/9577
H04L29/08792	G06F17/30905	G06F 16/9577
H04L29/08801	G06F17/30902	G06F 16/9574
H04L29/12132	G06F17/30067	G06F 16/10
H04L29/12132	G06F17/30286	G06F 16/20
H04L29/12594	G06F17/30876	G06F 16/955
H04L41/024	G06F17/30286	G06F 16/20
H04L41/0246	G06F17/30861	G06F 16/95
H04L41/5083	G06F17/3089	G06F 16/958
H04L41/5096	G06F17/30067	G06F 16/10
H04L41/5096	G06F17/30286	G06F 16/20
H04L61/1552	G06F17/30067	G06F 16/10
H04L61/1552	G06F17/30286	G06F 16/20
H04L61/30	G06F17/30876	G06F 16/955
H04L67/00	G06F17/30	G06F 16/00
H04L67/02	G06F17/30861	G06F 16/95

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
H04L67/1029	G06F17/30286	G06F 16/20
H04L67/104	G06F17/30283	G06F 16/27
H04L67/1061	G06F17/30067	G06F 16/10
H04L67/1061	G06F17/30286	G06F 16/20
H04L67/1095	G06F17/30067	G06F 16/10
H04L67/1095	G06F17/30575	G06F 16/27
H04L67/18	G06F17/3087	G06F 16/9537
H04L67/2823	G06F17/30905	G06F 16/9577
H04L67/2838	G06F17/3089	G06F 16/958
H04L67/2842	G06F17/30902	G06F 16/9574
H04L67/2861	G06F17/30067	G06F 16/10
H04L67/306	G06F17/30867	G06F 16/9535
H04N1/00148	G06F17/30	G06F 16/00
H04N1/2166	G06F17/30	G06F 16/00
H04N21/218	G06F17/30843	G06F 16/739
H04N21/2183	G06F17/30902	G06F 16/9574
H04N21/23109	G06F17/30843	G06F 16/739
H04N21/23113	G06F17/30067	G06F 16/10
H04N21/23116	G06F17/30067	G06F 16/10
H04N21/23116	G06F17/30283	G06F 16/27
H04N21/232	G06F17/30843	G06F 16/739
H04N21/2355	G06F17/30905	G06F 16/9577
H04N21/251	G06F17/30843	G06F 16/739
H04N21/25825	G06F17/30905	G06F 16/9577
H04N21/25841	G06F17/3087	G06F 16/9537
H04N21/25891	G06F17/30843	G06F 16/739
H04N21/26258	G06F17/30017	G06F 16/40
H04N21/2668	G06F17/30867	G06F 16/9535
H04N21/278	G06F17/30843	G06F 16/739
H04N21/432	G06F17/30843	G06F 16/739
H04N21/4332	G06F17/30002	G06F 16/23
H04N21/4332	G06F17/30843	G06F 16/739
H04N21/4335	G06F17/30067	G06F 16/10
H04N21/4355	G06F17/30905	G06F 16/9577
H04N21/442	G06F17/30843	G06F 16/739
H04N21/44204	G06F17/30843	G06F 16/739
H04N21/44222	G06F17/30843	G06F 16/739
H04N21/4524	G06F17/3087	G06F 16/9537
H04N21/4532	G06F17/30843	G06F 16/739
H04N21/4622	G06F17/3089	G06F 16/958
H04N21/472	G06F17/30843	G06F 16/739
H04N21/4725	G06F17/30014	G06F 16/94
H04N21/4725	G06F17/30876	G06F 16/955
H04N21/4755	G06F17/30843	G06F 16/739
H04N21/4828	G06F17/30843	G06F 16/739
H04N21/8543	G06F17/30908	G06F 16/80
H04N21/8549	G06F17/30843	G06F 16/739
H04N21/8586	G06F17/30014	G06F 16/94

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
H04N21/8586	G06F17/30876	G06F 16/955

Definitions references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
A63B24/00	G06F17/3074	Limiting references	G06F 16/60
A63B24/00	G06F17/30781	Limiting references	G06F 16/70
G01C21/32	G06F17/30241	Informative references	G06F 16/29
G01W	G06F17/30005	Informative references	G06F 16/1794
G01W	G06F17/30241	Informative references	G06F 16/29
G06F3/0601	G06F17/30067	Informative references	G06F 16/10
G06F3/0641	G06F17/30067	Limiting references	G06F 16/10
G06F3/0643	G06F17/30067	Limiting references	G06F 16/10
G06F3/0644	G06F17/30067	Informative references	G06F 16/10
G06F3/0649	G06F17/30067	Informative references	G06F 16/10
G06F3/0649	G06F17/30073	Limiting references	G06F 16/113
G06F3/0649	G06F17/30221	Limiting references	G06F 16/185
G06F3/0652	G06F17/30067	Informative references	G06F 16/10
G06F3/0652	G06F17/30117	Informative references	G06F 16/162
G06F3/0667	G06F17/30067	Informative references	G06F 16/10
G06F3/0667	G06F17/30067	Informative references	G06F 16/10
G06F3/067	G06F17/30197	Limiting references	G06F 16/1824
G06F3/1243	G06F17/30011	Informative references	G06F 16/93
G06F3/16	G06F17/3074	Relationship	G06F 16/60
G06F7/00	G06F17/30	Limiting references	G06F 16/00
G06F7/02	G06F17/30	Limiting references	G06F 16/00

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G06F8/20	G06F17/30861	Limiting references	G06F 16/95
G06F8/24	G06F17/30607	Informative references	G06F 16/289
G06F8/30	G06F17/30386	Informative references	G06F 16/24
G06F8/30	G06F17/30634	Informative references	G06F 16/33
G06F8/315	G06F17/30607	Limiting references	G06F 16/289
G06F8/34	G06F17/30861	Limiting references	G06F 16/95
G06F8/65	G06F17/30	Limiting references	G06F 16/00
G06F9/46	G06F17/30	Limiting references	G06F 16/00
G06F9/52	G06F17/30008	Limiting references	G06F 16/2308
G06F9/54	G06F17/30	Limiting references	G06F 16/00
G06F11/1402	G06F17/30	Special rules	G06F 16/00
G06F11/1402	G06F17/30	Special rules	G06F 16/00
G06F11/1435	G06F17/301	Informative references	G06F 16/14
G06F11/1446	G06F17/30	Informative references	G06F 16/00
G06F11/1446	G06F17/30067	Informative references	G06F 16/10
G06F11/1448	G06F17/301	Informative references	G06F 16/14
G06F11/1453	G06F17/3015	Informative references	G06F 16/174
G06F11/1469	G06F17/30	Relationship	G06F 16/00
G06F11/1471	G06F17/30	Informative references	G06F 16/00
G06F11/1471	G06F17/30286	Informative references	G06F 16/20
G06F11/1474	G06F17/30067	Informative references	G06F 16/10
G06F11/1474	G06F17/30286	Informative references	G06F 16/20
G06F11/1474	G06F17/30286	Special rules	G06F 16/20
G06F11/16	G06F17/30067	Special rules	G06F 16/10
G06F12/0802	G06F17/30	Informative references	G06F 16/00
G06F12/0866	G06F17/30	Informative references	G06F 16/00
G06F15/16	G06F17/30	Limiting references	G06F 16/00

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G06F17/20	G06F17/3061	Informative references	G06F16/30
G06F17/20	G06F17/30737	Informative references	G06F 16/374
G06F17/20	G06F17/3089	Informative references	G06F 16/958
G06F17/20	G06F17/30908	Informative references	G06F 16/80
G06F17/2247	G06F17/30	Limiting references	G06F 16/00
G06F21/6227	G06F17/30	Informative references	G06F 16/00
G06F21/6227	G06F17/30	Limiting references	G06F 16/00
G06K9/00	G06F17/30	Application-oriented references	G06F 16/00
G06K9/00	G06F17/30	Limiting references	G06F 16/00
G06Q10/02	G06F17/30	Limiting references	G06F 16/00
G06Q10/06316	G06F17/30	Informative references	G06F 16/00
G06Q10/067	G06F17/30	Informative references	G06F 16/00
G06Q10/08	G06F17/30	Informative references	G06F 16/00
G06Q30/00	G06F17/30861	Informative references	G06F 16/95
G06Q30/018	G06F17/30	Informative references	G06F 16/00
G06Q30/0201	G06F17/30	Informative references	G06F 16/00
G06Q30/0282	G06F17/30	Informative references	G06F 16/00
G06Q50/22	G06F17/30	Informative references	G06F 16/00
G06T7/20	G06F17/30244	Informative references	G06F 16/50
G06T11/206	G06F17/30274	Limiting references	G06F 16/54
G06T11/206	G06F17/30277	Limiting references	G06F 16/532
G08G1/09	G06F17/30	Informative references	G06F 16/00
G08G1/0969	G06F17/30241	Informative references	G06F 16/29
G08G1/127	G06F17/30017	Informative references	G06F 16/40



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G10H	G06F17/3074	Informative references	G06F 16/60
G10H1/0008	G06F17/3074	Informative references	G06F 16/60
G10H1/0008	G06F17/3074	Relationship	G06F 16/60
G10H1/40	G06F17/3074	Special rules	G06F 16/60
G10H3/125	G06F17/3074	Informative references	G06F 16/60
G10L	G06F17/3074	Application-oriented references	G06F 16/60
G10L15/00	G06F17/3074	Informative references	G06F 16/60
G10L17/00	G06F17/3074	Informative references	G06F 16/60
G11B20/12	G06F17/30005	Limiting references	G06F 16/1794
G11B27/00	G06F17/30	Application-oriented references	G06F 16/00
G11B27/00	G06F17/30	Informative references	G06F 16/00
G11B27/00	G06F17/30017	Informative references	G06F 16/40
G11B27/00	G06F17/30053	Informative references	G06F 16/4387
G11B27/00	G06F17/3074	Informative references	G06F 16/60
G11B27/00	G06F17/30781	Informative references	G06F 16/70
G11B27/00	G06F17/30784	Informative references	G06F 16/783
G11B27/00	G06F17/30053	Informative references	G06F 16/4387
G11B27/00	G06F17/3074	Informative references	G06F 16/60
G11B27/00	G06F17/30781	Informative references	G06F 16/70
G11B27/00	G06F17/30784	Informative references	G06F 16/783
G11B27/00	G06F17/30	Relationship	G06F 16/00
G11B27/00	G06F17/30	Special rules	G06F 16/00
G11C15/00	G06F17/30	Limiting references	G06F 16/00
G16H10/60	G06F17/30	Informative references	G06F 16/00
G16H30/20	G06F17/30	Informative references	G06F 16/00
G16H50/70	G06F17/30	Informative references	G06F 16/00

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G16H70/00	G06F17/30	Informative references	G06F 16/00
H04L12/18	G06F17/30864	Definition statement	G06F 16/951
H04L12/2803	G06F17/30861	Informative references	G06F 16/95
H04L12/2812	G06F17/30861	Limiting references	G06F 16/95
H04L12/2812	G06F17/30905	Limiting references	G06F 16/9577
H04L41/00	G06F17/30	Relationship	G06F 16/00
H04L41/024	G06F17/30286	Informative references	G06F 16/20
H04L41/0246	G06F17/30861	Limiting references	G06F 16/95
H04L41/5083	G06F17/3089	Limiting references	G06F 16/958
H04L41/5096	G06F17/30067	Limiting references	G06F 16/10
H04L41/5096	G06F17/30286	Limiting references	G06F 16/20
H04L61/00	G06F17/30283	Informative references	G06F 16/27
H04L61/00	G06F17/30876	Limiting references	G06F 16/955
H04L67/00	G06F17/30	Limiting references	G06F 16/00
H04L67/1029	G06F17/30286	Limiting references	G06F 16/20
H04L67/104	G06F17/30	Limiting references	G06F 16/00
H04L67/1061	G06F17/30067	Limiting references	G06F 16/10
H04L67/1061	G06F17/30286	Limiting references	G06F 16/20
H04L67/1095	G06F17/30067	Limiting references	G06F 16/10
H04L67/1095	G06F17/30575	Limiting references	G06F 16/27
H04L67/1097	G06F17/30067	Informative references	G06F 16/10
H04L67/18	G06F17/30241	Informative references	G06F 16/29
H04L67/18	G06F17/3087	Informative references	G06F 16/9537
H04L67/22	G06F17/30539	Informative references	G06F 16/2465
H04L67/22	G06F17/30873	Informative references	G06F 16/954

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H04L67/2823	G06F17/30905	Limiting references	G06F 16/9577
H04L67/2828	G06F17/30905	Informative references	G06F 16/9577
H04L67/2838	G06F17/3089	Limiting references	G06F 16/958
H04L67/2842	G06F17/30902	Limiting references	G06F 16/9574
H04L67/2861	G06F17/30067	Limiting references	G06F 16/10
H04L67/38	G06F17/30873	Informative references	G06F 16/954
H04L69/06	G06F17/30908	Informative references	G06F 16/80
H04L69/06	G06F17/3092	Informative references	G06F 16/88
H04L69/08	G06F17/30005	Informative references	G06F 16/1794
H04L69/08	G06F17/3092	Informative references	G06F 16/88
H04M1/72561	G06F17/30861	Relationship	G06F 16/95
H04M11/08	G06F17/30899	Informative references	G06F 16/957
H04N19/00	G06F17/30	Informative references	G06F 16/00
H04N19/40	G06F17/30	Informative references	G06F 16/00
H04N21/218	G06F17/30781	Limiting references	G06F 16/70
H04N21/2183	G06F17/30902	Limiting references	G06F 16/9574
H04N21/23109	G06F17/30858	Limiting references	G06F 16/71
H04N21/23113	G06F17/30067	Limiting references	G06F 16/10
H04N21/23116	G06F17/30067	Limiting references	G06F 16/10
H04N21/23116	G06F17/30283	Limiting references	G06F 16/27
H04N21/232	G06F17/30823	Limiting references	G06F 16/73
H04N21/2355	G06F17/30905	Limiting references	G06F 16/9577
H04N21/251	G06F17/30828	Limiting references	G06F 16/735
H04N21/25825	G06F17/30905	Limiting references	G06F 16/9577
H04N21/25841	G06F17/3087	Limiting references	G06F 16/9537

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H04N21/25891	G06F17/30828	Limiting references	G06F 16/735
H04N21/26258	G06F17/30017	Limiting references	G06F 16/40
H04N21/2668	G06F17/30867	Limiting references	G06F 16/9535
H04N21/278	G06F17/30781	Limiting references	G06F 16/70
H04N21/432	G06F17/30823	Limiting references	G06F 16/73
H04N21/4332	G06F17/30002	Limiting references	G06F 16/23
H04N21/4332	G06F17/30858	Limiting references	G06F 16/71
H04N21/4335	G06F17/30067	Limiting references	G06F 16/10
H04N21/4355	G06F17/30905	Limiting references	G06F 16/9577
H04N21/442	G06F17/30817	Limiting references	G06F 16/78
H04N21/44204	G06F17/30817	Limiting references	G06F 16/78
H04N21/44222	G06F17/30817	Limiting references	G06F 16/78
H04N21/4524	G06F17/3087	Limiting references	G06F 16/9537
H04N21/4532	G06F17/30828	Limiting references	G06F 16/735
H04N21/4622	G06F17/3089	Limiting references	G06F 16/958
H04N21/472	G06F17/30831	Limiting references	G06F 16/7335
H04N21/4725	G06F17/30014	Limiting references	G06F 16/94
H04N21/4725	G06F17/30876	Limiting references	G06F 16/955
H04N21/4755	G06F17/30828	Limiting references	G06F 16/735
H04N21/4828	G06F17/30831	Limiting references	G06F 16/7335
H04N21/8543	G06F17/30908	Limiting references	G06F 16/80
H04N21/8549	G06F17/30843	Limiting references	G06F 16/739
H04N21/8586	G06F17/30014	Limiting references	G06F 16/94
H04N21/8586	G06F17/30876	Limiting references	G06F 16/955

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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.