

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 935

DATE: AUGUST 1, 2020

PROJECT RP0678

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	Y02A	10/12, 10/13, 10/14, 10/15, 10/16, 10/17, 10/18, 10/20, 10/21, 10/22, 10/24, 10/25, 10/27, 10/28, 10/31, 10/32, 10/33, 10/34, 10/35, 10/36, 10/37, 10/38, 10/383, 10/386, 10/39, 10/395, 10/41, 10/42, 10/44, 10/46, 10/48
	Y02A	20/10, 20/102, 20/104, 20/106, 20/109, 20/112, 20/114, 20/116, 20/118, 20/119, 20/12, 20/126, 20/128, 20/129, 20/132, 20/134, 20/154, 20/156, 20/16, 20/18, 20/202, 20/206, 20/214, 20/216, 20/218, 20/22, 20/302, 20/304, 20/408, 20/412, 20/414
	Y02A	30/10, 30/12, 30/16, 30/17, 30/18, 30/19, 30/20, 30/21, 30/22, 30/23, 30/241, 30/243, 30/245, 30/246, 30/247, 30/248, 30/25, 30/251, 30/252, 30/253, 30/255, 30/256, 30/257, 30/259, 30/26, 30/261, 30/276, 30/277, 30/278, 30/31, 30/32, 30/33, 30/333, 30/336, 30/34, 30/35, 30/36, 30/38, 30/40, 30/45, 30/50, 30/62, 30/64, 30/68
	Y02A	40/11, 40/12, 40/14, 40/143, 40/15, 40/16, 40/162, 40/164, 40/166, 40/168, 40/17, 40/18, 40/19, 40/201, 40/202, 40/203, 40/204, 40/205, 40/206, 40/207, 40/208, 40/209, 40/21, 40/211, 40/212, 40/213, 40/214, 40/215, 40/216, 40/221, 40/222, 40/223, 40/224, 40/225, 40/226, 40/227, 40/228, 40/229, 40/23, 40/231, 40/232, 40/233, 40/234, 40/235, 40/236, 40/237, 40/238, 40/239, 40/24, 40/241, 40/242, 40/243, 40/252, 40/254, 40/256, 40/258, 40/26, 40/262, 40/264, 40/266, 40/268, 40/27, 40/272, 40/274, 40/282, 40/284, 40/286, 40/288, 40/29, 40/292, 40/294, 40/296, 40/298, 40/30, 40/302, 40/40, 40/50, 40/52, 40/53, 40/55, 40/57, 40/72, 40/73, 40/74, 40/75, 40/78, 40/812, 40/814, 40/816, 40/82, 40/822, 40/824, 40/826, 40/828, 40/83, 40/832, 40/834, 40/836, 40/838, 40/84, 40/845, 40/86, 40/88, 40/92, 40/922, 40/94, 40/941, 40/942, 40/943, 40/944, 40/945, 40/946, 40/947, 40/948, 40/949, 40/95, 40/96, 40/961, 40/962, 40/964, 40/965, 40/967, 40/968
	Y02A	50/10, 50/12, 50/14, 50/16, 50/21, 50/22, 50/23, 50/232, 50/2322, 50/2324, 50/2325, 50/2326, 50/2327, 50/2328, 50/234, 50/2341, 50/2342, 50/2343, 50/2344, 50/2345, 50/2346, 50/2347, 50/2348, 50/2349, 50/235, 50/2352, 50/2353, 50/2354, 50/2355, 50/2356, 50/2357, 50/2358, 50/2359, 50/24, 50/241, 50/242, 50/243, 50/244, 50/245, 50/246, 50/247, 50/248, 50/249, 50/25, 50/31, 50/32, 50/321, 50/322, 50/323, 50/324, 50/325, 50/326, 50/327, 50/328, 50/329, 50/33, 50/331, 50/332, 50/333, 50/334, 50/335, 50/336, 50/337, 50/338, 50/339, 50/34, 50/341, 50/342, 50/343, 50/344, 50/345, 50/346, 50/347, 50/348, 50/349, 50/35, 50/351, 50/352, 50/353, 50/354, 50/356, 50/357, 50/358, 50/359, 50/36, 50/37, 50/371, 50/372, 50/373, 50/374, 50/375, 50/38, 50/381, 50/382, 50/383, 50/384, 50/385, 50/386, 50/387, 50/388, 50/389, 50/39, 50/391, 50/392, 50/393, 50/394, 50/395, 50/396, 50/397, 50/398, 50/399, 50/40, 50/401, 50/402, 50/403, 50/404, 50/405, 50/406, 50/407, 50/408, 50/409, 50/41, 50/411, 50/412, 50/413, 50/414, 50/415, 50/416, 50/417, 50/418, 50/419, 50/42, 50/421, 50/422, 50/423, 50/45, 50/451, 50/452, 50/453, 50/454, 50/455, 50/456, 50/46, 50/462, 50/463, 50/464, 50/465, 50/466, 50/467, 50/468, 50/469, 50/47, 50/471, 50/472, 50/473, 50/474, 50/475, 50/476, 50/478, 50/479, 50/48, 50/481, 50/482, 50/483, 50/484, 50/485, 50/486, 50/487, 50/488, 50/489, 50/49, 50/491, 50/492, 50/50, 50/51, 50/52, 50/53, 50/54, 50/55, 50/56, 50/57, 50/58, 50/59, 50/60

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	Y02A	90/12, 90/13, 90/14, 90/15, 90/16, 90/17, 90/18, 90/19, 90/20, 90/22, 90/24, 90/26, 90/32, 90/34, 90/342, 90/344, 90/36
	Y02B	10/12, 10/14, 10/22, 10/24, 10/72
	Y02B	20/10, 20/12, 20/125, 20/14, 20/142, 20/144, 20/146, 20/148, 20/16, 20/18, 20/181, 20/183, 20/185, 20/186, 20/188, 20/19, 20/20, 20/202, 20/204, 20/206, 20/208, 20/22, 20/32, 20/34, 20/341, 20/342, 20/343, 20/345, 20/346, 20/347, 20/348, 20/36, 20/38, 20/383, 20/386, 20/42, 20/44, 20/445, 20/46, 20/48, 20/70
	Y02B	30/08, 30/10, 30/102, 30/104, 30/106, 30/108, 30/125, 30/14, 30/16, 30/20, 30/22, 30/24, 30/26, 30/28, 30/50, 30/542, 30/545, 30/547, 30/563, 30/566, 30/60, 30/64, 30/66, 30/72, 30/74, 30/741, 30/743, 30/745, 30/746, 30/748, 30/76, 30/762, 30/765, 30/767, 30/78, 30/80, 30/92, 30/94
	Y02B	40/10, 40/12, 40/123, 40/126, 40/14, 40/143, 40/146, 40/16, 40/163, 40/166, 40/30, 40/32, 40/34, 40/40, 40/42, 40/44, 40/46, 40/50, 40/52, 40/54, 40/56, 40/58, 40/70, 40/72, 40/74, 40/80, 40/82, 40/84, 40/90
	Y02B	50/10, 50/12, 50/122, 50/125, 50/127, 50/14, 50/142, 50/144, 50/146, 50/148, 50/20, 50/22, 50/225, 50/24
	Y02B	70/12, 70/123, 70/126, 70/14, 70/1408, 70/1416, 70/1425, 70/1433, 70/1441, 70/145, 70/1458, 70/1466, 70/1475, 70/1483, 70/1491, 70/16, 70/32, 70/3208, 70/3216, 70/3233, 70/3241, 70/325, 70/3258, 70/3266, 70/3275, 70/3283, 70/3291, 70/343, 70/346
	Y02B	80/12, 80/14, 80/20, 80/24, 80/26, 80/28, 80/30, 80/34, 80/40, 80/50
	Y02B	90/12, 90/14, 90/16, 90/18, 90/22, 90/222, 90/224, 90/226, 90/228, 90/24, 90/241, 90/242, 90/243, 90/244, 90/245, 90/246, 90/247, 90/248, 90/26, 90/2607, 90/2615, 90/2623, 90/263, 90/2638, 90/2646, 90/2653, 90/2661, 90/2669, 90/2676, 90/2684, 90/2692
	Y02C	10/00, 10/02, 10/04, 10/06, 10/08, 10/10, 10/12, 10/14
	Y02D	10/10, 10/11, 10/12, 10/122, 10/124, 10/126, 10/128, 10/13, 10/14, 10/15, 10/151, 10/152, 10/153, 10/154, 10/1542, 10/155, 10/156, 10/157, 10/158, 10/159, 10/1592, 10/16, 10/17, 10/171, 10/172, 10/173, 10/174, 10/175, 10/20, 10/22, 10/24, 10/26, 10/28, 10/30, 10/32, 10/34, 10/36, 10/40, 10/41, 10/42, 10/43, 10/44, 10/45
	Y02D	30/10, 30/20, 30/30, 30/32, 30/34, 30/40
	Y02D	50/00, 50/10, 50/20, 50/30, 50/40, 50/42, 50/44
	Y02D	70/00, 70/10, 70/12, 70/122, 70/1222, 70/1224, 70/1226, 70/124, 70/1242, 70/1244, 70/1246, 70/126, 70/1262, 70/1264, 70/14, 70/142, 70/144, 70/146, 70/16, 70/162, 70/164, 70/166, 70/168, 70/20, 70/21, 70/22, 70/23, 70/24, 70/25, 70/26, 70/30, 70/32, 70/322, 70/324, 70/326, 70/34, 70/38, 70/39, 70/40, 70/42, 70/44, 70/442, 70/444, 70/446, 70/448, 70/449, 70/46, 70/48
	Y02E	10/12, 10/125, 10/14, 10/16, 10/18, 10/22, 10/223, 10/226, 10/28, 10/32, 10/34, 10/36, 10/38, 10/41, 10/42, 10/43, 10/45, 10/465, 10/54, 10/563, 10/566, 10/58, 10/721, 10/722, 10/723, 10/725, 10/726, 10/763, 10/766
	Y02E	20/10, 20/185, 20/322, 20/324, 20/326, 20/328, 20/342, 20/344, 20/346, 20/348, 20/36, 20/363, 20/366
	Y02E	30/12, 30/122, 30/124, 30/126, 30/128, 30/14, 30/16, 30/18, 30/31, 30/32, 30/33, 30/34, 30/35, 30/36, 30/37, 30/38, 30/39, 30/40

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	Y02E	40/12, 40/14, 40/16, 40/18, 40/22, 40/24, 40/26, 40/32, 40/34, 40/62, 40/622, 40/625, 40/627, 40/64, 40/641, 40/642, 40/644, 40/645, 40/647, 40/648, 40/66, 40/67, 40/68, 40/69, 40/72, 40/725, 40/74, 40/76
	Y02E	50/11, 50/12, 50/13, 50/14, 50/15, 50/16, 50/17, 50/18, 50/32, 50/34, 50/343, 50/346
	Y02E	60/12, 60/122, 60/124, 60/126, 60/128, 60/142, 60/145, 60/147, 60/15, 60/17, 60/321, 60/322, 60/324, 60/325, 60/327, 60/328, 60/362, 60/364, 60/366, 60/368, 60/52, 60/521, 60/522, 60/523, 60/525, 60/526, 60/527, 60/528, 60/56, 60/563, 60/566, 60/70, 60/72, 60/721, 60/722, 60/723, 60/724, 60/725, 60/726, 60/727, 60/728, 60/74, 60/76, 60/78, 60/7807, 60/7815, 60/7823, 60/783, 60/7838, 60/7846, 60/7853, 60/7861, 60/7869, 60/7876, 60/7884, 60/7892
	Y02E	70/10, 70/20, 70/40
	Y02P	10/12, 10/124, 10/126, 10/128, 10/13, 10/132, 10/136, 10/138, 10/14, 10/21, 10/212, 10/214, 10/216, 10/218, 10/22, 10/224, 10/226, 10/228, 10/23, 10/232, 10/234, 10/236, 10/238, 10/24, 10/242, 10/253, 10/256, 10/259, 10/262, 10/265, 10/268, 10/271, 10/274, 10/277, 10/28, 10/283, 10/286, 10/29, 10/292, 10/295, 10/30, 10/34
	Y02P	20/12, 20/121, 20/122, 20/123, 20/124, 20/125, 20/126, 20/127, 20/128, 20/13, 20/131, 20/132, 20/134, 20/135, 20/136, 20/14, 20/142, 20/144, 20/146, 20/147, 20/148, 20/149, 20/15, 20/152, 20/153, 20/154, 20/22, 20/224, 20/228, 20/32, 20/324, 20/328, 20/42, 20/424, 20/51, 20/514, 20/518, 20/542, 20/544, 20/546, 20/57, 20/572, 20/58, 20/586, 20/588
	Y02P	30/10, 30/30, 30/42, 30/44, 30/442, 30/444, 30/446, 30/46, 30/462, 30/464, 30/48
	Y02P	40/12, 40/123, 40/126, 40/128, 40/14, 40/141, 40/143, 40/145, 40/146, 40/148, 40/16, 40/165, 40/20, 40/30, 40/42, 40/44, 40/47, 40/49, 40/51, 40/52, 40/53, 40/535, 40/55, 40/56, 40/58, 40/59, 40/61, 40/615, 40/63, 40/65, 40/67, 40/69
	Y02P	60/10, 60/122, 60/124, 60/141, 60/142, 60/144, 60/146, 60/147, 60/148, 60/149, 60/15, 60/16, 60/18, 60/212, 60/214, 60/215, 60/216, 60/218, 60/23, 60/24, 60/242, 60/244, 60/246, 60/247, 60/25, 60/521, 60/524, 60/526, 60/528, 60/54, 60/542, 60/56, 60/62, 60/64, 60/642, 60/70, 60/81, 60/83, 60/831, 60/833, 60/835, 60/851, 60/853, 60/855, 60/871, 60/873, 60/875, 60/877, 60/89, 60/891
	Y02P	70/12, 70/121, 70/123, 70/125, 70/127, 70/129, 70/131, 70/133, 70/135, 70/137, 70/139, 70/141, 70/143, 70/145, 70/16, 70/161, 70/163, 70/167, 70/169, 70/171, 70/173, 70/175, 70/177, 70/179, 70/181, 70/183, 70/185, 70/187, 70/20, 70/22, 70/24, 70/26, 70/261, 70/263, 70/265, 70/267, 70/269, 70/271, 70/273, 70/275, 70/277, 70/279, 70/281, 70/30, 70/32, 70/34, 70/36, 70/38, 70/40, 70/405, 70/52, 70/521, 70/523, 70/525, 70/527, 70/54, 70/56, 70/58, 70/585, 70/60, 70/601, 70/603, 70/605, 70/607, 70/609, 70/611, 70/613, 70/621, 70/623, 70/625, 70/627, 70/629, 70/631, 70/633, 70/635, 70/637, 70/639, 70/641, 70/643, 70/645, 70/647, 70/649, 70/651, 70/653, 70/66
	Y02P	80/11, 80/112, 80/114, 80/116, 80/12, 80/13, 80/152, 80/154, 80/156, 80/158, 80/21, 80/22, 80/23, 80/24, 80/25
	Y02P	90/04, 90/06, 90/08, 90/083, 90/087, 90/10, 90/12, 90/14, 90/16, 90/18, 90/185, 90/20, 90/205, 90/22, 90/24, 90/26, 90/265, 90/28, 90/285, 90/86

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	Y02T	10/121, 10/123, 10/125, 10/126, 10/128, 10/14, 10/142, 10/144, 10/146, 10/148, 10/16, 10/163, 10/166, 10/17, 10/18, 10/20, 10/22, 10/24, 10/26, 10/32, 10/34, 10/36, 10/42, 10/44, 10/46, 10/47, 10/48, 10/50, 10/52, 10/54, 10/56, 10/6204, 10/6208, 10/6213, 10/6217, 10/6221, 10/6226, 10/623, 10/6234, 10/6239, 10/6243, 10/6247, 10/6252, 10/6256, 10/626, 10/6265, 10/6269, 10/6273, 10/6278, 10/6282, 10/6286, 10/6291, 10/6295, 10/641, 10/642, 10/643, 10/644, 10/645, 10/646, 10/7005, 10/7011, 10/7016, 10/7022, 10/7027, 10/7033, 10/7038, 10/7044, 10/705, 10/7055, 10/7061, 10/7066, 10/7077, 10/7083, 10/7088, 10/7094, 10/7208, 10/7216, 10/7225, 10/7233, 10/7241, 10/725, 10/7258, 10/7275, 10/7283, 10/7291, 10/76, 10/862, 10/865
	Y02T	30/10, 30/12, 30/14, 30/16, 30/18, 30/30, 30/32, 30/34, 30/36, 30/38, 30/40, 30/42
	Y02T	50/12, 50/14, 50/16, 50/162, 50/164, 50/166, 50/32, 50/34, 50/42, 50/43, 50/44, 50/46, 50/52, 50/53, 50/54, 50/55, 50/56, 50/62, 50/64, 50/66, 50/67, 50/671, 50/672, 50/673, 50/675, 50/676, 50/6765, 50/677, 50/82, 50/823, 50/826, 50/84
	Y02T	70/12, 70/121, 70/122, 70/123, 70/125, 70/126, 70/127, 70/128, 70/14, 70/143, 70/146, 70/30, 70/32, 70/34, 70/36, 70/52, 70/5209, 70/5227, 70/5245, 70/5254, 70/5263, 70/5272, 70/5281, 70/529, 70/54, 70/542, 70/545, 70/547, 70/56, 70/58, 70/583, 70/586, 70/59, 70/70, 70/72, 70/74, 70/742, 70/745, 70/747, 70/80, 70/90
	Y02T	90/121, 90/122, 90/124, 90/125, 90/127, 90/128, 90/161, 90/162, 90/163, 90/168, 90/169, 90/30, 90/32, 90/34, 90/36, 90/38, 90/42, 90/44, 90/46, 90/50
	Y02W	10/12, 10/15, 10/18, 10/23, 10/27, 10/45
	Y02W	30/32, 30/35, 30/38, 30/43, 30/47, 30/521, 30/522, 30/523, 30/524, 30/525, 30/526, 30/527, 30/528, 30/54, 30/541, 30/542, 30/543, 30/61, 30/622, 30/625, 30/628, 30/642, 30/644, 30/646, 30/648, 30/663, 30/667, 30/68, 30/683, 30/687, 30/70, 30/701, 30/702, 30/703, 30/704, 30/705, 30/706, 30/72, 30/76, 30/801, 30/802, 30/803, 30/804, 30/805, 30/806, 30/807, 30/821, 30/822, 30/823, 30/824, 30/825, 30/826, 30/827, 30/828, 30/829, 30/86, 30/88, 30/881, 30/882, 30/883, 30/884, 30/90, 30/92, 30/93, 30/94, 30/95, 30/96, 30/97
	Y02W	90/11, 90/12, 90/13, 90/14, 90/20
	Y04S	10/10, 10/24, 10/26, 10/265, 10/522, 10/525, 10/527, 10/54, 10/542, 10/545, 10/547, 10/56, 10/58, 10/60
	Y04S	20/10, 20/16, 20/18, 20/22, 20/224, 20/225, 20/227, 20/228, 20/24, 20/32, 20/322, 20/325, 20/327, 20/34, 20/36, 20/38, 20/40, 20/42, 20/44, 20/46, 20/48, 20/50, 20/52, 20/525
	Y04S	40/10, 40/122, 40/123, 40/125, 40/127, 40/14, 40/143, 40/146, 40/16, 40/162, 40/164, 40/166, 40/168, 40/22, 40/24
Symbols New:	Y02C	20/40
	Y02D	30/50, 30/70
Titles Changed:	Y02A	10/11, 10/23, 10/26, 10/30, 10/40
	Y02A	20/138, 20/141, 20/142, 20/144, 20/146, 20/20, 20/40
	Y02A	30/14, 30/244, 30/249, 30/254, 30/272, 30/30

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	Y02A	40/146, 40/20, 40/25, 40/81, 40/818, 40/90
	Y02A	50/00, 50/20
	Y02A	90/10
	Y02B	10/70
	Y02B	20/00, 20/40
	Y02B	30/70
	Y02B	40/00, 40/18
	Y02B	50/00
	Y02B	70/10, 70/30
	Y02B	80/10, 80/22
	Y02B	90/20
	Y02C	20/00
	Y02D	10/00
	Y02D	30/00
	Y02E	10/30, 10/40, 10/46, 10/541, 10/549, 10/56, 10/727, 10/728
	Y02E	20/18, 20/34
	Y02E	30/10
	Y02E	40/30, 40/40, 40/60, 40/70
	Y02E	50/10, 50/30
	Y02E	60/00, 60/10, 60/13, 60/14, 60/16, 60/36, 60/60
	Y02P	10/122, 10/134, 10/143, 10/20, 10/25, 10/32
	Y02P	20/10, 20/129, 20/133, 20/143, 20/151, 20/40, 20/50, 20/54, 20/55, 20/582, 20/584
	Y02P	30/20
	Y02P	40/10, 40/125, 40/40, 40/50, 40/57, 40/60
	Y02P	60/12, 60/14, 60/20, 60/21, 60/22, 60/60, 60/80, 60/85
	Y02P	70/10
	Y02P	80/10, 80/20
	Y02T	10/12, 10/30, 10/64, 10/70, 10/7072
	Y02T	30/00
	Y02T	50/60, 50/678, 50/80
	Y02T	90/10, 90/167, 90/40
	Y02W	10/00, 10/30
	Y02W	30/00, 30/10, 30/20, 30/52, 30/56, 30/62, 30/78, 30/80, 30/84
	Y02W	90/10
	Y04S	10/12, 10/126, 10/14, 10/16, 10/18, 10/20, 10/22, 10/30, 10/40, 10/52
	Y04S	20/00, 20/12, 20/14, 20/242, 20/248, 20/30
	Y04S	40/121, 40/126, 40/20
Indents Changed:	Y02A	10/23, 10/26
	Y02A	20/108, 20/124, 20/131, 20/138, 20/141, 20/142, 20/144, 20/146, 20/148, 20/15, 20/152, 20/20, 20/204

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	Y02A	30/14, 30/24, 30/242, 30/244, 30/249, 30/254, 30/27, 30/272, 30/274
	Y02A	40/13, 40/132, 40/135, 40/138, 40/146, 40/20, 40/58, 40/76, 40/818, 40/924, 40/926, 40/928, 40/963, 40/966
	Y02A	50/2351
	Y02B	20/72
	Y02B	30/12, 30/13, 30/17, 30/18, 30/52, 30/54, 30/56, 30/62, 30/625
	Y02B	40/18
	Y02B	70/3225
	Y02B	80/22, 80/32
	Y02E	10/541, 10/542, 10/543, 10/544, 10/545, 10/546, 10/547, 10/548, 10/549, 10/727, 10/728
	Y02E	20/12, 20/14, 20/16, 20/18, 20/32, 20/34
	Y02E	60/13, 60/14, 60/16, 60/50
	Y02P	10/122, 10/134, 10/143, 10/146, 10/25, 10/32
	Y02P	20/129, 20/133, 20/141, 20/143, 20/145, 20/151, 20/155, 20/156, 20/582, 20/584
	Y02P	40/121, 40/125
	Y02P	60/12, 60/14
	Y02T	10/7072
	Y02T	50/678
	Y02T	70/5218
	Y02W	30/91
	Y04S	10/12, 10/123, 10/126, 10/14, 10/16, 10/18, 10/20, 10/22
	Y04S	20/12, 20/14, 20/221, 20/222, 20/242, 20/244, 20/246, 20/248
	Y04S	40/12, 40/121, 40/124, 40/126, 40/128, 40/18

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): B01J, B60H, B63B, C12P, F17C, F26B

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)

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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 Y02A - TECHNOLOGIES FOR ADAPTATION TO CLIMATE CHANGE

<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>
T	Y02A10/00	0	at coastal zones; at river basins	
T	Y02A10/11	1	Hard structures, e.g. dams, dykes or breakwaters	
D	Y02A10/12	2	Reservoirs; Polders	<administrative transfer to Y02A10/11>
D	Y02A10/13	2	Dykes; Dams	<administrative transfer to Y02A10/11>
D	Y02A10/14	2	Sea-walls, surge or tidal barriers	<administrative transfer to Y02A10/11>
D	Y02A10/15	2	Self-contained breakwaters	<administrative transfer to Y02A10/11>
D	Y02A10/16	2	Revetments of the shore	<administrative transfer to Y02A10/11>
D	Y02A10/17	2	Groynes	<administrative transfer to Y02A10/11>
D	Y02A10/18	2	Jetties or landing bridges	<administrative transfer to Y02A10/11>
D	Y02A10/20	1	Soft structures	<administrative transfer to Y02A10/00>
D	Y02A10/21	2	Land claim or beach nourishment	<administrative transfer to Y02A10/00>
D	Y02A10/22	2	Wetland restoration or creation	<administrative transfer to Y02A10/00>
T	Y02A10/23	1	Dune restoration or creation; Cliff stabilisation	
D	Y02A10/24	2	Cliff stabilization	<administrative transfer to Y02A10/23>
D	Y02A10/25	2	Artificial seaweed	<administrative transfer to Y02A10/26>
T	Y02A10/26	1	Artificial reefs or seaweed; Restoration or protection of coral reefs	
D	Y02A10/27	2	Restoration or protection of coral reefs	<administrative transfer to Y02A10/26>
D	Y02A10/28	2	Sediment management	<administrative transfer to Y02A10/00>
T	Y02A10/30	1	Flood prevention; Flood or storm water management, e.g. using flood barriers	

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D	Y02A10/31	2	Permanently installed flood barriers	<administrative transfer to Y02A10/30>
D	Y02A10/32	2	Temporarily installed flood barriers	<administrative transfer to Y02A10/30>
D	Y02A10/33	2	Infiltration of water into the ground	<administrative transfer to Y02A10/30>
D	Y02A10/34	2	Flood-proof sanitary latrines	<administrative transfer to Y02A10/30>
D	Y02A10/35	2	Revetments for protection of river banks or dykes	<administrative transfer to Y02A10/30>
D	Y02A10/36	2	Equalizing tanks in the sewage system for regulating the run-off	<administrative transfer to Y02A10/30>
D	Y02A10/37	2	Bioswales	<administrative transfer to Y02A10/30>
D	Y02A10/38	2	Changing the natural surface of ground to re-route water	<administrative transfer to Y02A10/30>
D	Y02A10/383	3	Weirs	<administrative transfer to Y02A10/30>
D	Y02A10/386	3	Locks	<administrative transfer to Y02A10/30>
D	Y02A10/39	2	Evacuation systems	<administrative transfer to Y02A10/30>
D	Y02A10/395	2	Curb floodplain development for flood management	<administrative transfer to Y02A10/30>
T	Y02A10/40	1	Controlling or monitoring, e.g. of flood or hurricane ; Forecasting, e.g. risk assessment or mapping	
D	Y02A10/41	2	of coastal areas	<administrative transfer to Y02A10/40>
D	Y02A10/42	2	Real-time flood forecasting	<administrative transfer to Y02A10/40>
D	Y02A10/44	2	Disaster preparedness plans	<administrative transfer to Y02A10/40>
D	Y02A10/46	2	Computerized flood control, risk assessment or mapping	<administrative transfer to Y02A10/40>
D	Y02A10/48	2	Hazard insurance	<administrative transfer to Y02A10/40>
T	Y02A20/00	0	Water conservation; Efficient water supply; Efficient water use	
D	Y02A20/10	1	Relating to general water supply, e.g. municipal or domestic water supply	<administrative transfer to Y02A20/00>
D	Y02A20/102	2	Tanks	<administrative transfer to Y02A20/00>
D	Y02A20/104	3	for municipal applications	<administrative transfer to Y02A20/00>

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D	Y02A20/106	3	for domestic applications	<administrative transfer to Y02A20/00>
M	Y02A20/108	1	Rainwater harvesting	
D	Y02A20/109	2	Obtaining drinking water from air humidity	<administrative transfer to Y02A20/00>
D	Y02A20/112	2	Obtaining drinking water from open water	<administrative transfer to Y02A20/00>
D	Y02A20/114	2	Water wells	<administrative transfer to Y02A20/00>
D	Y02A20/116	3	Vertical well filter pipes	<administrative transfer to Y02A20/00>
D	Y02A20/118	3	Borehole wells	<administrative transfer to Y02A20/00>
D	Y02A20/119	3	having horizontal or inclined filter pipes	<administrative transfer to Y02A20/00>
D	Y02A20/12	2	Multipurpose dams or barriers	<administrative transfer to Y02A20/00>
T	Y02A20/124	1	Water desalination	
D	Y02A20/126	3	characterized by the method	<administrative transfer to Y02A20/124>
D	Y02A20/128	4	Evaporation methods, e.g. distillation	<administrative transfer to Y02A20/124>
D	Y02A20/129	5	using solar energy	<administrative transfer to Y02A20/142>
M	Y02A20/131	2	Reverse-osmosis	
D	Y02A20/132	4	Freezing	<administrative transfer to Y02A20/124>
D	Y02A20/134	4	Electrodialysis	<administrative transfer to Y02A20/124>
M	Y02A20/138	2	using renewable energy	
M	Y02A20/141	3	Wind power	
T	Y02A20/142	3	Solar thermal ; Photovoltaics	
M	Y02A20/144	3	Wave energy	
M	Y02A20/146	1	using grey water	
M	Y02A20/148	2	using household water from wash basins or showers	
M	Y02A20/15	1	Leakage reduction or detection in water storage or distribution	
T	Y02A20/152	1	Water filtration	
D	Y02A20/154	3	of domestic water	<administrative transfer to Y02A20/152>
D	Y02A20/156	3	of municipal or industrial water	<administrative transfer to Y02A20/152>
D	Y02A20/16	2	Water quality or standards enforcement	<administrative transfer to Y02A20/152>

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D	Y02A20/18	2	Solar- or wind-powered water pumping	<administrative transfer to Y02A20/00>
T	Y02A20/20	1	Controlling water pollution; Waste water treatment	
D	Y02A20/202	3	for households	<administrative transfer to Y02A20/20>
M	Y02A20/204	2	Keeping clear the surface of open water from oil spills	
D	Y02A20/206	3	Monitoring water for contaminating materials	<administrative transfer to Y02A20/20>
T	Y02A20/208	2	Off-grid powered water treatment	
U	Y02A20/211	3	Solar-powered water purification	
U	Y02A20/212	3	Solar-powered wastewater sewage treatment, e.g. spray evaporation	
D	Y02A20/214	3	Water treatment at point of use for potable water	<administrative transfer to Y02A20/208>
D	Y02A20/216	3	Wastewater treatment tanks	<administrative transfer to Y02A20/208>
D	Y02A20/218	2	Water metering with adaptation potential, e.g. aiming at water saving, leakage detection or avoidance, fraud or theft detection	<administrative transfer to Y02A20/00>
D	Y02A20/22	2	Pricing strategies aiming to limit water consumption or spillage, e.g. progressive pricing, fraud detection or fostering water saving	<administrative transfer to Y02A20/00>
T	Y02A20/30	1	Relating to industrial water supply, e.g. used for cooling	
D	Y02A20/302	2	Use of lower-grade water	<administrative transfer to Y02A20/30>
D	Y02A20/304	2	Recirculation	<administrative transfer to Y02A20/30>
T	Y02A20/40	1	Protecting water resources	
U	Y02A20/402	2	River restoration	
U	Y02A20/404	2	Saltwater intrusion barriers	
U	Y02A20/406	2	Aquifer recharge	
D	Y02A20/408	2	Draining or infiltration of impermeable surfaces for groundwater enrichment	<administrative transfer to Y02A20/40>
U	Y02A20/411	2	Water saving techniques at user level	
D	Y02A20/412	3	Reducing amount of water used by toilet flushing	<administrative transfer to Y02A20/40>
D	Y02A20/414	3	Water-saving for showers or bath tubs	<administrative transfer to Y02A20/40>
T	Y02A30/00	0	Adapting or protecting infrastructure or their operation	

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D	Y02A30/10	1	in energy generation or distribution	<administrative transfer to Y02A30/00>
D	Y02A30/12	2	Weather forecasting for energy supply management	<administrative transfer to Y02A30/00>
T	Y02A30/14	1	Extreme weather resilient electric power supply systems, e.g. strengthening power lines or underground power cables	
D	Y02A30/16	2	Flood resilient electric equipment	<administrative transfer to Y02A30/14>
D	Y02A30/17	3	Generators	<administrative transfer to Y02A30/14>
D	Y02A30/18	4	Uninterruptible power supply [UPS] systems; Backup generators	<administrative transfer to Y02A30/14>
D	Y02A30/19	3	Cabinets or switch boards	<administrative transfer to Y02A30/14>
D	Y02A30/20	1	in buildings, dwellings or related infrastructures	<administrative transfer to Y02A30/00>
D	Y02A30/21	2	Floating houses	<administrative transfer to Y02A30/00>
D	Y02A30/22	2	Rotary buildings	<administrative transfer to Y02A30/00>
D	Y02A30/23	2	Elevated buildings	<administrative transfer to Y02A30/00>
T	Y02A30/24	1	Structural elements or technologies for improving thermal insulation	
D	Y02A30/241	3	Thermal insulation technologies with adaptation potential	<administrative transfer to Y02A30/24>
M	Y02A30/242	2	Slab shaped vacuum insulation	
D	Y02A30/243	4	Slab shaped aerogel insulation	<administrative transfer to Y02A30/24>
T	Y02A30/244	2	using natural or recycled building materials, e.g. straw, wool, clay or used tires	
D	Y02A30/245	5	of vegetal origin, e.g. thatching or straw	<administrative transfer to Y02A30/244>
D	Y02A30/246	5	of animal origin, e.g. wool or feathers	<administrative transfer to Y02A30/244>
D	Y02A30/247	5	using indigenous Earth materials, e.g. clay or stone	<administrative transfer to Y02A30/244>
D	Y02A30/248	5	Recycled materials, e.g. made of used tires, bumpers or newspapers	<administrative transfer to Y02A30/244>
T	Y02A30/249	2	Glazing, e.g. vacuum glazing	
D	Y02A30/25	4	Vacuum glazing	<administrative transfer to Y02A30/249>
D	Y02A30/251	4	Aerogel glazing systems	<administrative transfer to Y02A30/249>

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D	Y02A30/252	3	Wooden or plastic window or door frames with extra insulation	<administrative transfer to Y02A30/24>
D	Y02A30/253	3	Roofs with adaptation potential	<administrative transfer to Y02A30/24>
T	Y02A30/254	2	Roof garden systems; Roof coverings with high solar reflectance	
D	Y02A30/255	4	Roof coverings with high solar reflectance	<administrative transfer to Y02A30/254>
D	Y02A30/256	3	Floors specially adapted for storing heat or cold	<administrative transfer to Y02A30/24>
D	Y02A30/257	3	Light dependent control systems for sun shading	<administrative transfer to Y02A30/24>
D	Y02A30/259	2	Passive climatisation	<administrative transfer to Y02A30/00>
D	Y02A30/26	3	using air flow into the conditioned premises or facilities	<administrative transfer to Y02A30/00>
D	Y02A30/261	3	by improving the thermodynamic properties of the premises or facilities	<administrative transfer to Y02A30/00>
T	Y02A30/27	1	Relating to heating, ventilation or air conditioning [HVAC] technologies	
M	Y02A30/272	2	Solar heating or cooling	
M	Y02A30/274	2	using waste energy, e.g. from internal combustion engine	
D	Y02A30/276	3	of the sorption type	<administrative transfer to Y02A30/27>
D	Y02A30/277	4	Absorption based systems	<administrative transfer to Y02A30/27>
D	Y02A30/278	4	Adsorption based systems	<administrative transfer to Y02A30/27>
T	Y02A30/30	1	in transportation, e.g. on roads, waterways or railways	
D	Y02A30/31	2	Relating to road transportation	<administrative transfer to Y02A30/30>
D	Y02A30/32	3	Permeable parking lots	<administrative transfer to Y02A30/30>
D	Y02A30/33	3	Ground surface material	<administrative transfer to Y02A30/30>
D	Y02A30/333	4	Warm-mix asphalt	<administrative transfer to Y02A30/30>
D	Y02A30/336	4	Engineered cementitious composite [ECC]	<administrative transfer to Y02A30/30>
D	Y02A30/34	2	Relating to waterways transportation	<administrative transfer to Y02A30/30>
D	Y02A30/35	3	Storm resilient vessels	<administrative transfer to Y02A30/30>

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D	Y02A30/36	3	Active motion-dampening systems for ports	<administrative transfer to Y02A30/30>
D	Y02A30/38	2	Relating to railways transportation	<administrative transfer to Y02A30/30>
D	Y02A30/40	1	Relating to water supply or wastewater treatment	<administrative transfer to Y02A20/20>
D	Y02A30/45	2	Specially adapted pumping equipment e.g. for flood draining	<administrative transfer to Y02A20/20>
D	Y02A30/50	1	Resilient IT infrastructure	<administrative transfer to Y02A30/00>
T	Y02A30/60	1	Planning or developing urban green infrastructure	
D	Y02A30/62	2	Integration of district energy or distributed or on-site energy generation, e.g. combined heat and power generation or solar energy, in city layout	<administrative transfer to Y02A30/60>
D	Y02A30/64	2	for reducing heat island effects, e.g. by minimizing paved surfaces or by planting trees	<administrative transfer to Y02A30/60>
D	Y02A30/68	2	Sloping ground terrains in public areas	<administrative transfer to Y02A30/60>
U	Y02A40/00	0	Adaptation technologies in agriculture, forestry, livestock or agroalimentary production	
T	Y02A40/10	1	in agriculture	
D	Y02A40/11	2	Specially adapted for crops	<administrative transfer to Y02A40/10>
D	Y02A40/12	3	Precision agriculture	<administrative transfer to Y02A40/10>
M	Y02A40/13	2	Abiotic stress	
M	Y02A40/132	3	Plants tolerant to drought	
M	Y02A40/135	3	Plants tolerant to salinity	
M	Y02A40/138	3	Plants tolerant to heat	
D	Y02A40/14	3	with increased yield	<administrative transfer to Y02A40/10>
D	Y02A40/143	4	using agrochemicals	<administrative transfer to Y02A40/10>
T	Y02A40/146	2	Genetically Modified [GMO] plants, e.g. transgenic plants	
D	Y02A40/15	3	Fungal symbiosis	<administrative transfer to Y02A40/10>
D	Y02A40/16	3	Pest or insect control	<administrative transfer to Y02A40/10>
D	Y02A40/162	4	Genetically modified [GMO] plants resistant to insects	<administrative transfer to Y02A40/146>

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D	Y02A40/164	4	Genetically modified [GMO] plants resistant to nematodes	<administrative transfer to Y02A40/146>
D	Y02A40/166	4	Ecological pest control, i.e. using competitors or parasites against crop pests	<administrative transfer to Y02A40/146>
D	Y02A40/168	4	Rainguards for rubber trees	<administrative transfer to Y02A40/10>
D	Y02A40/17	3	Aeroponics seed potato production	<administrative transfer to Y02A40/10>
D	Y02A40/18	3	Related to fertilizer management	<administrative transfer to Y02A40/10>
D	Y02A40/19	4	Integrated nutrient management, e.g. appropriate fertilizer use	<administrative transfer to Y02A40/10>
T	Y02A40/20	2	Fertilizers of biological origin, e.g. guano or fertilizers made from animal corpses	
D	Y02A40/201	5	Fertilizers made from animal corpses or parts thereof	<administrative transfer to Y02A40/20>
D	Y02A40/202	6	from fish or from fish-wastes	<administrative transfer to Y02A40/20>
D	Y02A40/203	6	from meat-wastes or from other wastes of animal origin, e.g. skins, hair, hoofs, feathers, blood	<administrative transfer to Y02A40/20>
D	Y02A40/204	6	Apparatus for their manufacture	<administrative transfer to Y02A40/20>
D	Y02A40/205	5	Fertilizers from human or animal excrements, e.g. manure	<administrative transfer to Y02A40/20>
D	Y02A40/206	6	Guano	<administrative transfer to Y02A40/20>
D	Y02A40/207	6	from human fecal masses	<administrative transfer to Y02A40/20>
D	Y02A40/208	6	Apparatus for the manufacture	<administrative transfer to Y02A40/20>
D	Y02A40/209	5	Fertilizers made from waste originating from industrial processing of raw material of agricultural origin or derived products thereof	<administrative transfer to Y02A40/20>
D	Y02A40/21	6	Solid waste from mechanical processing of material, e.g. seed coats, olive pits, almond shells, fruit residue, rice hulls	<administrative transfer to Y02A40/20>
D	Y02A40/211	6	Waste from chemical processing of material, e.g. distillation, roasting, cooking	<administrative transfer to Y02A40/20>
D	Y02A40/212	7	Waste from biochemical processing of material, e.g. fermentation, breweries	<administrative transfer to Y02A40/20>
D	Y02A40/213	5	Fertilizers from waste water, sewage sludge, sea slime, ooze or similar masses	<administrative transfer to Y02A40/20>
D	Y02A40/214	5	Fertilizers from household or town refuse	<administrative transfer to Y02A40/20>

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D	Y02A40/215	6	Apparatus for the manufacture	<administrative transfer to Y02A40/20>
D	Y02A40/216	6	Biological compost	<administrative transfer to Y02A40/20>
T	Y02A40/22	2	Improving land use; Improving water use or availability; Controlling erosion	
D	Y02A40/221	3	Change land topography to improve water uptake or to reduce wind erosion	<administrative transfer to Y02A40/22>
D	Y02A40/222	4	by subdividing large fields	<administrative transfer to Y02A40/22>
D	Y02A40/223	4	Grass waterways maintenance	<administrative transfer to Y02A40/22>
D	Y02A40/224	4	by roughening land surface	<administrative transfer to Y02A40/22>
D	Y02A40/225	4	Windbreaks	<administrative transfer to Y02A40/22>
D	Y02A40/226	3	Floating agriculture	<administrative transfer to Y02A40/22>
D	Y02A40/227	3	Control of sand encroachment	<administrative transfer to Y02A40/22>
D	Y02A40/228	3	Wetland restoration or protection	<administrative transfer to Y02A40/22>
D	Y02A40/229	3	Biochar technologies	<administrative transfer to Y02A40/22>
D	Y02A40/23	3	Improving water use or availability; Controlling erosion	<administrative transfer to Y02A40/22>
D	Y02A40/231	4	in rain-fed agriculture	<administrative transfer to Y02A40/22>
D	Y02A40/232	5	Soil conservation	<administrative transfer to Y02A40/22>
D	Y02A40/233	6	Methods for working soils	<administrative transfer to Y02A40/22>
D	Y02A40/234	6	Moss gardening	<administrative transfer to Y02A40/22>
D	Y02A40/235	4	in irrigated agriculture	<administrative transfer to Y02A40/22>
D	Y02A40/236	5	Tillage conservation	<administrative transfer to Y02A40/22>
D	Y02A40/237	5	Efficient irrigation techniques, e.g. drip irrigation, sprinkler or spray irrigation	<administrative transfer to Y02A40/22>
D	Y02A40/238	6	Irrigation information systems	<administrative transfer to Y02A40/22>
D	Y02A40/239	6	Lining of canals with plastic films	<administrative transfer to Y02A40/22>
D	Y02A40/24	6	Concentrate irrigation in periods of peak growth	<administrative transfer to Y02A40/22>

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D	Y02A40/241	5	using brackish water	<administrative transfer to Y02A40/22>
D	Y02A40/242	3	Limiting land conversion or deforestation	<administrative transfer to Y02A40/22>
D	Y02A40/243	3	Afforestation or reforestation	<administrative transfer to Y02A40/22>
T	Y02A40/25	2	Greenhouse technology, e.g. cooling systems therefor	
D	Y02A40/252	3	Constructional details of greenhouses	<administrative transfer to Y02A40/25>
D	Y02A40/254	4	Dismountable or portable greenhouses; Greenhouses with sliding roofs	<administrative transfer to Y02A40/25>
D	Y02A40/256	3	Lighting systems for greenhouses	<administrative transfer to Y02A40/25>
D	Y02A40/258	3	Shading devices for greenhouses	<administrative transfer to Y02A40/25>
D	Y02A40/26	4	Lamellar or like blinds	<administrative transfer to Y02A40/25>
D	Y02A40/262	4	Inflatable structures	<administrative transfer to Y02A40/25>
D	Y02A40/264	3	Devices or systems for heating, ventilating, regulating temperature, or watering	<administrative transfer to Y02A40/25>
D	Y02A40/266	4	Collecting solar energy	<administrative transfer to Y02A40/25>
D	Y02A40/268	4	Air-conditioning systems	<administrative transfer to Y02A40/25>
D	Y02A40/27	4	Watering arrangements	<administrative transfer to Y02A40/25>
D	Y02A40/272	5	Efficient watering	<administrative transfer to Y02A40/25>
D	Y02A40/274	4	Electric devices	<administrative transfer to Y02A40/25>
T	Y02A40/28	2	specialy adapted for farming	
D	Y02A40/282	3	Changing farming practices to conserve soil moisture or nutrients; Reduce run-off or control soil erosion	<administrative transfer to Y02A40/28>
D	Y02A40/284	4	Mulch stubble or straw	<administrative transfer to Y02A40/28>
D	Y02A40/286	4	Crops rotation	<administrative transfer to Y02A40/28>
D	Y02A40/288	4	Avoiding mono-cropping; Crop diversification	<administrative transfer to Y02A40/28>
D	Y02A40/29	4	using lower planting densities	<administrative transfer to Y02A40/28>
D	Y02A40/292	4	Terracing	<administrative transfer to Y02A40/28>

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D	Y02A40/294	4	Agro-forestry, silviculture or mixed farming solutions	<administrative transfer to Y02A40/28>
D	Y02A40/296	4	Bushfire prevention; Prescribed fire, i.e. controlled burning to reduce fuel buildup	<administrative transfer to Y02A40/28>
D	Y02A40/298	4	Forest fire control	<administrative transfer to Y02A40/28>
D	Y02A40/30	3	Timing of farming operations	<administrative transfer to Y02A40/28>
D	Y02A40/302	4	Advance sowing dates to offset moisture stress during warm periods	<administrative transfer to Y02A40/28>
D	Y02A40/40	2	Management of saline soils	<administrative transfer to Y02A40/10>
D	Y02A40/50	2	Evapotranspiration	<administrative transfer to Y02A40/10>
T	Y02A40/51	2	specially adapted for storing agricultural or horticultural products	
D	Y02A40/52	3	Racks for drying purposes	<administrative transfer to Y02A40/51>
D	Y02A40/53	4	Natural, e.g. solar drying	<administrative transfer to Y02A40/51>
D	Y02A40/55	3	Silos for storing seeds or grain	<administrative transfer to Y02A40/51>
D	Y02A40/57	3	Off-grid powered storage	<administrative transfer to Y02A40/51>
M	Y02A40/58	3	using renewable energies	
U	Y02A40/60	1	Ecological corridors or buffer zones	
T	Y02A40/70	1	in livestock or poultry	
D	Y02A40/72	2	Climate tolerant animal varieties, e.g. selective breeding	<administrative transfer to Y02A40/70>
D	Y02A40/73	3	Providing additional fodder for cattle during the dry season, e.g. by using fodder banks	<administrative transfer to Y02A40/70>
D	Y02A40/74	3	Optimising pasture management	<administrative transfer to Y02A40/70>
D	Y02A40/75	2	Environmental control in livestock or poultry housing, e.g. of temperature or humidity	<administrative transfer to Y02A40/70>
M	Y02A40/76	2	using renewable energy	
D	Y02A40/78	2	Livestock or poultry disease management, wherein the disease is affected by climate change	<administrative transfer to Y02A40/70>
T	Y02A40/80	1	in fisheries management	
T	Y02A40/81	2	Aquaculture, e.g. of fish	
D	Y02A40/812	3	of fish	<administrative transfer to Y02A40/81>

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D	Y02A40/814	4	Prevention or treatment of fish diseases	<administrative transfer to Y02A40/81>
D	Y02A40/816	4	Hatching, e.g. incubators	<administrative transfer to Y02A40/81>
M	Y02A40/818	3	Alternative feeds for fish, e.g. in aquacultures	
D	Y02A40/82	3	of shellfish	<administrative transfer to Y02A40/81>
D	Y02A40/822	4	of bivalves, e.g. oysters or mussels	<administrative transfer to Y02A40/81>
D	Y02A40/824	4	of crustaceans, e.g. lobsters or shrimps	<administrative transfer to Y02A40/81>
D	Y02A40/826	3	Floating cultivation devices, e.g. rafts or floating fish-farms	<administrative transfer to Y02A40/81>
D	Y02A40/828	4	Connecting or mooring devices therefor	<administrative transfer to Y02A40/81>
D	Y02A40/83	3	Artificial fishing banks or reefs	<administrative transfer to Y02A40/81>
D	Y02A40/832	4	made of tyres	<administrative transfer to Y02A40/81>
D	Y02A40/834	4	assembled of components	<administrative transfer to Y02A40/81>
D	Y02A40/836	4	floating	<administrative transfer to Y02A40/81>
D	Y02A40/838	4	of monolithic form, e.g. blocks	<administrative transfer to Y02A40/81>
D	Y02A40/84	4	Arrangements for sinking or mooring thereof	<administrative transfer to Y02A40/81>
D	Y02A40/845	3	Feeding devices	<administrative transfer to Y02A40/81>
D	Y02A40/86	2	Information Technologies [IT] supporting fishing	<administrative transfer to Y02A40/80>
D	Y02A40/88	2	Seaweed farming; Management of sea grass beds	<administrative transfer to Y02A40/80>
T	Y02A40/90	1	in food processing or handling, e.g. food conservation	
D	Y02A40/92	2	in food processing	<administrative transfer to Y02A40/90>
D	Y02A40/922	3	Technologies for reducing water consumption	<administrative transfer to Y02A40/90>
M	Y02A40/924	2	using renewable energies	
M	Y02A40/926	3	Cooking stoves or furnaces using solar heat	
M	Y02A40/928	3	Cooking stoves using biomass	
D	Y02A40/94	2	relating to food conservation	<administrative transfer to Y02A40/90>

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D	Y02A40/941	3	using natural products	<administrative transfer to Y02A40/90>
D	Y02A40/942	4	using natural sugars	<administrative transfer to Y02A40/90>
D	Y02A40/943	4	using natural acids, e.g. vinegar, citric	<administrative transfer to Y02A40/90>
D	Y02A40/944	4	using vegetal oils	<administrative transfer to Y02A40/90>
D	Y02A40/945	4	Salt based conservation	<administrative transfer to Y02A40/90>
D	Y02A40/946	5	using brine	<administrative transfer to Y02A40/90>
D	Y02A40/947	3	Off-grid thermal processing	<administrative transfer to Y02A40/90>
D	Y02A40/948	4	Sun drying	<administrative transfer to Y02A40/90>
D	Y02A40/949	4	Food smoking	<administrative transfer to Y02A40/90>
D	Y02A40/95	4	of edible seeds	<administrative transfer to Y02A40/90>
D	Y02A40/96	2	relating to food management or storing	<administrative transfer to Y02A40/90>
D	Y02A40/961	3	Biopackaging, e.g. packaging containers made from renewable materials, bioplastics or biodegradable materials	<administrative transfer to Y02A40/90>
D	Y02A40/962	3	Wood Barrels	<administrative transfer to Y02A40/90>
T	Y02A40/963	2	Off-grid food refrigeration	
D	Y02A40/964	4	Devices using naturally cold air or forced air convection	<administrative transfer to Y02A40/963>
D	Y02A40/965	4	Devices using heat pumps	<administrative transfer to Y02A40/963>
M	Y02A40/966	3	Powered by renewable energy sources	
D	Y02A40/967	4	using waste heat, e.g. from an internal combustion engine	<administrative transfer to Y02A40/963>
D	Y02A40/968	4	using ice	<administrative transfer to Y02A40/963>
T	Y02A50/00	0	in human health protection, e.g. against extreme weather	
D	Y02A50/10	1	against extreme weather events	<administrative transfer to Y02A50/00>
D	Y02A50/12	2	Early warning systems for extreme weather events	<administrative transfer to Y02A50/00>
D	Y02A50/14	2	Storm shelters or storm cellars	<administrative transfer to Y02A50/00>

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D	Y02A50/16	2	Landslide or mudflow monitoring or protecting systems	<administrative transfer to Y02A50/00>
T	Y02A50/20	1	Air quality improvement or preservation, e.g. vehicle emission control or emission reduction by using catalytic converters	
D	Y02A50/21	2	Mechanical or electrostatic filtering in heating, ventilation or air conditioning [HVAC]	<administrative transfer to Y02A50/20>
D	Y02A50/22	2	Air sterilisation or disinfection	<administrative transfer to Y02A50/20>
D	Y02A50/23	2	Emission reduction or control	<administrative transfer to Y02A50/20>
D	Y02A50/232	3	Catalytic converters	<administrative transfer to Y02A50/20>
D	Y02A50/2322	4	for exhaust after-treatment of internal combustion engines in vehicles	<administrative transfer to Y02A50/20>
D	Y02A50/2324	5	Three way catalysts, i.e. for controlled oxidation or reduction of exhaust gases, e.g. stoichiometric equivalence ratio	<administrative transfer to Y02A50/20>
D	Y02A50/2325	5	Selective Catalytic Reactors [SCR]	<administrative transfer to Y02A50/20>
D	Y02A50/2326	4	for industrial applications	<administrative transfer to Y02A50/20>
D	Y02A50/2327	5	in chemical or petrochemical processes,	<administrative transfer to Y02A50/20>
D	Y02A50/2328	5	Burners or incinerators e.g. of waste or waste gases	<administrative transfer to Y02A50/20>
D	Y02A50/234	3	Physical or chemical processes, e.g. absorption, adsorption or filtering, characterised by the type of pollutant	<administrative transfer to Y02A50/20>
D	Y02A50/2341	4	Carbon monoxide [CO]	<administrative transfer to Y02A50/20>
D	Y02A50/2342	4	Carbon dioxide [CO ₂]	<administrative transfer to Y02A50/20>
D	Y02A50/2343	4	Lead [Pb]	<administrative transfer to Y02A50/20>
D	Y02A50/2344	4	Nitrogen oxides [NO _x]	<administrative transfer to Y02A50/20>
D	Y02A50/2345	5	Nitrogen dioxide [NO ₂]	<administrative transfer to Y02A50/20>
D	Y02A50/2346	4	Ammonia [NH ₃]	<administrative transfer to Y02A50/20>
D	Y02A50/2347	4	Ground-level ozone	<administrative transfer to Y02A50/20>
D	Y02A50/2348	4	Sulfur oxides [SO _x]	<administrative transfer to Y02A50/20>

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D	Y02A50/2349	5	Sulfur dioxide [SO ₂]	<administrative transfer to Y02A50/20>
D	Y02A50/235	4	Volatile organic compounds [VOC]	<administrative transfer to Y02A50/20>
T	Y02A50/2351	2	Atmospheric particulate matter [PM], e.g. carbon smoke microparticles, smog, aerosol particles, dust	
D	Y02A50/2352	5	the particulate matter coming from a source on-board a vehicle, e.g. removed by diesel particulate filters [DPF]	<administrative transfer to Y02A50/2351>
D	Y02A50/2353	5	the particulate matter coming from stationary sources, e.g. power plants, steel mills, smelters, cement plants, refineries or incinerators	<administrative transfer to Y02A50/2351>
D	Y02A50/2354	6	Cyclones	<administrative transfer to Y02A50/2351>
D	Y02A50/2355	6	Filters	<administrative transfer to Y02A50/2351>
D	Y02A50/2356	6	Scrubbers, spray chambers, pack towers	<administrative transfer to Y02A50/2351>
D	Y02A50/2357	6	Electrostatic precipitators	<administrative transfer to Y02A50/2351>
D	Y02A50/2358	3	Biological purification of waste gases	<administrative transfer to Y02A50/20>
D	Y02A50/2359	4	with gas-solid contact	<administrative transfer to Y02A50/20>
D	Y02A50/24	2	Pollution monitoring	<administrative transfer to Y02A50/20>
D	Y02A50/241	3	specially adapted for public areas	<administrative transfer to Y02A50/20>
D	Y02A50/242	3	characterized by the pollutant	<administrative transfer to Y02A50/20>
D	Y02A50/243	4	Carbon monoxide [CO]	<administrative transfer to Y02A50/20>
D	Y02A50/244	4	Carbon dioxide [CO ₂]	<administrative transfer to Y02A50/20>
D	Y02A50/245	4	Nitrogen Oxides [NO _x]	<administrative transfer to Y02A50/20>
D	Y02A50/246	4	Ammonia [NH ₃]	<administrative transfer to Y02A50/20>
D	Y02A50/247	4	Ozone [O ₃]	<administrative transfer to Y02A50/20>
D	Y02A50/248	4	Sulfur oxides [SO _x]	<administrative transfer to Y02A50/20>
D	Y02A50/249	4	Volatile Organic Compounds [VOC]	<administrative transfer to Y02A50/20>

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D	Y02A50/25	4	Atmospheric particulate matter [PM] e.g. carbon smoke microparticles, smog, aerosol particles, dust	<administrative transfer to Y02A50/20>
T	Y02A50/30	1	Against vector-borne diseases, e.g. mosquito-borne, fly-borne, tick-borne or waterborne diseases whose impact is exacerbated by climate change	
D	Y02A50/31	2	Vector control	<administrative transfer to Y02A50/30>
D	Y02A50/32	3	using natural substances as pesticides or insecticides, for fighting the disease vector	<administrative transfer to Y02A50/30>
D	Y02A50/321	4	characterised by the vector	<administrative transfer to Y02A50/30>
D	Y02A50/322	5	Ticks	<administrative transfer to Y02A50/30>
D	Y02A50/323	5	Insects	<administrative transfer to Y02A50/30>
D	Y02A50/324	6	Stink bugs, bed bugs, kissing bugs or triatomine bugs	<administrative transfer to Y02A50/30>
D	Y02A50/325	6	Chigoe or jigger fleas, cat fleas, moorhen fleas or rat fleas	<administrative transfer to Y02A50/30>
D	Y02A50/326	6	Sand flies, black flies or Tsetse flies	<administrative transfer to Y02A50/30>
D	Y02A50/327	6	Mosquitos	<administrative transfer to Y02A50/30>
D	Y02A50/328	7	Aedes	<administrative transfer to Y02A50/30>
D	Y02A50/329	7	Culex	<administrative transfer to Y02A50/30>
D	Y02A50/33	7	Anopheles; Culiseta; Mansonia; Psorophora	<administrative transfer to Y02A50/30>
D	Y02A50/331	5	Snails of the genus Biomphalaria, Oncomelania or Bulinus	<administrative transfer to Y02A50/30>
D	Y02A50/332	4	characterised by the natural substance	<administrative transfer to Y02A50/30>
D	Y02A50/333	5	Substances of botanical origin, e.g. essential oils, waxes, flowers, seeds, leafs or wood	<administrative transfer to Y02A50/30>
D	Y02A50/334	6	Plant oils, i.e. vegetable or essential oils	<administrative transfer to Y02A50/30>
D	Y02A50/335	7	Canola oil	<administrative transfer to Y02A50/30>
D	Y02A50/336	7	Castor oil	<administrative transfer to Y02A50/30>
D	Y02A50/337	7	Catnip oil, e.g. nepetalactone	<administrative transfer to Y02A50/30>

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D	Y02A50/338	7	Cedar oil	<administrative transfer to Y02A50/30>
D	Y02A50/339	7	Cinnamon oil	<administrative transfer to Y02A50/30>
D	Y02A50/34	7	Citronella oil	<administrative transfer to Y02A50/30>
D	Y02A50/341	7	Coconut oil	<administrative transfer to Y02A50/30>
D	Y02A50/342	7	Eucalyptus oil	<administrative transfer to Y02A50/30>
D	Y02A50/343	7	Lemon oil	<administrative transfer to Y02A50/30>
D	Y02A50/344	7	Geranium oil	<administrative transfer to Y02A50/30>
D	Y02A50/345	7	Mustard oil	<administrative transfer to Y02A50/30>
D	Y02A50/346	7	Neem oil, e.g. Azadirachtin	<administrative transfer to Y02A50/30>
D	Y02A50/347	7	Orange oil	<administrative transfer to Y02A50/30>
D	Y02A50/348	7	Soybean oil	<administrative transfer to Y02A50/30>
D	Y02A50/349	6	Camphor	<administrative transfer to Y02A50/30>
D	Y02A50/35	6	Garlic	<administrative transfer to Y02A50/30>
D	Y02A50/351	6	Pepper	<administrative transfer to Y02A50/30>
D	Y02A50/352	6	Rotenone	<administrative transfer to Y02A50/30>
D	Y02A50/353	6	Tobacco or nicotine	<administrative transfer to Y02A50/30>
D	Y02A50/354	6	Pyrethrum, e.g. Chrysanthemum cinerariifolium	<administrative transfer to Y02A50/30>
D	Y02A50/356	5	Fermented microbes, e.g. abermectins or spinosad	<administrative transfer to Y02A50/30>
D	Y02A50/357	5	Substances of mineral origin	<administrative transfer to Y02A50/30>
D	Y02A50/358	6	Sulfur	<administrative transfer to Y02A50/30>
D	Y02A50/359	6	Kaolin; Diatomaceous earth	<administrative transfer to Y02A50/30>
D	Y02A50/36	5	Natural soaps	<administrative transfer to Y02A50/30>
D	Y02A50/37	3	Means for catching or killing the vector, e.g. traps or nets	<administrative transfer to Y02A50/30>

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D	Y02A50/371	4	the vector being mosquitos	<administrative transfer to Y02A50/30>
D	Y02A50/372	5	Impregnated bed nets; Long-lasting insecticidal bed nets [LLINs]	<administrative transfer to Y02A50/30>
D	Y02A50/373	4	the vector being flies	<administrative transfer to Y02A50/30>
D	Y02A50/374	4	the vector being stink bugs, kissing bugs, triatomine bugs or fleas	<administrative transfer to Y02A50/30>
D	Y02A50/375	4	the vector being ticks	<administrative transfer to Y02A50/30>
D	Y02A50/38	2	Medical treatment of vector-borne diseases characterised by the agent	<administrative transfer to Y02A50/30>
D	Y02A50/381	3	the vector-borne disease being caused by a virus	<administrative transfer to Y02A50/30>
D	Y02A50/382	4	of the genus Alphavirus, i.e. Chikungunya	<administrative transfer to Y02A50/30>
D	Y02A50/383	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/384	4	of the genus Flavivirus	<administrative transfer to Y02A50/30>
D	Y02A50/385	5	the disease being Dengue	<administrative transfer to Y02A50/30>
D	Y02A50/386	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/387	5	the disease being Yellow fever, i.e. Ochropyra	<administrative transfer to Y02A50/30>
D	Y02A50/388	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/389	5	the disease being Japanese encephalitis	<administrative transfer to Y02A50/30>
D	Y02A50/39	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/391	5	the disease being Zika	<administrative transfer to Y02A50/30>
D	Y02A50/392	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/393	5	the disease being West Nile fever	<administrative transfer to Y02A50/30>
D	Y02A50/394	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>

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D	Y02A50/395	5	the disease being Tick-borne encephalitis [TBE]	<administrative transfer to Y02A50/30>
D	Y02A50/396	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/397	4	of the genus Nairovirus, i.e. Congo-Crimean haemorrhagic fever or Rift valley fever or Hantaan haemorrhagic fever	<administrative transfer to Y02A50/30>
D	Y02A50/398	3	the vector-borne disease being caused by a bacteria	<administrative transfer to Y02A50/30>
D	Y02A50/399	4	of the genus Borrellia	<administrative transfer to Y02A50/30>
D	Y02A50/40	5	the bacteria being Borrelia crocidurae, Borrelia duttoni, Borrelia hermsii, Borrelia hispanica, Borrelia miyamotoi, Borrelia parkeri or Borrelia turicatae, i.e. relapsing fever or borreliosis	<administrative transfer to Y02A50/30>
D	Y02A50/401	5	the bacteria being Borrelia burgdorferi, i.e. Lyme disease or Lyme borreliosis	<administrative transfer to Y02A50/30>
D	Y02A50/402	4	of the genus Rickettsia, Orientia, Ehrlichia, Neorickettsia, Neoehrlichia or Anaplasma, i.e. Rickettsial diseases, e.g. spotted fever	<administrative transfer to Y02A50/30>
D	Y02A50/403	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/404	5	the bacteria being Francisella tularensis, i.e. Tularaemia	<administrative transfer to Y02A50/30>
D	Y02A50/405	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/406	5	the bacteria being Yersinia pestis, i.e. Plague	<administrative transfer to Y02A50/30>
D	Y02A50/407	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/408	3	the vector-borne disease being caused by a protozoa	<administrative transfer to Y02A50/30>
D	Y02A50/409	4	of the genus Leishmania i.e. Leishmaniasis, Sand-fly fever, phlebotomus fever, kala-azar, black fever or Dumdum fever	<administrative transfer to Y02A50/30>
D	Y02A50/41	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/411	4	of the genus Plasmodium, i.e. Malaria	<administrative transfer to Y02A50/30>

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D	Y02A50/412	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/413	4	of the genus Trypanosoma	<administrative transfer to Y02A50/30>
D	Y02A50/414	5	the protozoa being Trypanosoma cruzi i.e. Chagas disease or American trypanosomiasis	<administrative transfer to Y02A50/30>
D	Y02A50/415	5	the protozoa being Trypanosoma brucei gambiense or Trypanosoma brucei rhodesiense, i.e. Human African trypanosomiasis or sleeping sickness	<administrative transfer to Y02A50/30>
D	Y02A50/416	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/417	3	the vector-borne disease being caused by a helminth, i.e. Helmanthiasis	<administrative transfer to Y02A50/30>
D	Y02A50/418	4	of the phylum nematoda	<administrative transfer to Y02A50/30>
D	Y02A50/419	5	the nematode being Dracunculus medinensis or Guinea worm, i.e. Dracunculiasis	<administrative transfer to Y02A50/30>
D	Y02A50/42	5	the nematode being a filarial worm	<administrative transfer to Y02A50/30>
D	Y02A50/421	6	the filarial worm being Wuchereria bancrofti, brugia malayi or Brugia timor, i.e. Lymphatic filariasis	<administrative transfer to Y02A50/30>
D	Y02A50/422	6	the filarial worm being Onchocerca volvulus, i.e. Onchocerciasis or river blindness	<administrative transfer to Y02A50/30>
D	Y02A50/423	4	the helminth being a trematode flatworm of the genus Schistosoma, i.e. Schistosomiasis or bilharziasis	<administrative transfer to Y02A50/30>
D	Y02A50/45	2	Means for preventing water-borne diseases	<administrative transfer to Y02A50/30>
D	Y02A50/451	3	Genetic or molecular screening of pathogens	<administrative transfer to Y02A50/30>
D	Y02A50/452	3	Non water-based sanitation	<administrative transfer to Y02A50/30>
D	Y02A50/453	4	Pit latrines	<administrative transfer to Y02A50/30>
D	Y02A50/454	4	Dry closets e.g. incinerator closets	<administrative transfer to Y02A50/30>
D	Y02A50/455	5	having means for adding powder, e.g. earth	<administrative transfer to Y02A50/30>

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D	Y02A50/456	4	Chemical toilets	<administrative transfer to Y02A50/30>
D	Y02A50/46	2	Medical treatment of waterborne diseases characterized by the agent	<administrative transfer to Y02A50/30>
D	Y02A50/462	3	The waterborne disease being caused by a virus	<administrative transfer to Y02A50/30>
D	Y02A50/463	4	the virus being the Hepatitis A virus [HAV]	<administrative transfer to Y02A50/30>
D	Y02A50/464	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/465	4	the virus being the poliovirus, i.e. Poliomyelitis or Polio	<administrative transfer to Y02A50/30>
D	Y02A50/466	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/467	4	of the genus Polyomavirus: JC virus or BK virus, i.e. Polyomavirus infection	<administrative transfer to Y02A50/30>
D	Y02A50/468	3	The waterborne disease being caused by a bacteria	<administrative transfer to Y02A50/30>
D	Y02A50/469	4	the bacteria being clostridium botulinum, i.e. Botulism	<administrative transfer to Y02A50/30>
D	Y02A50/47	4	the bacteria being Campylobacter jejuni, i.e. Campylobacteriosis	<administrative transfer to Y02A50/30>
D	Y02A50/471	4	the bacteria being Vibrio cholerae, i.e. Cholera	<administrative transfer to Y02A50/30>
D	Y02A50/472	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/473	4	the bacteria being Escherichia coli, i.e. E. coli Infection	<administrative transfer to Y02A50/30>
D	Y02A50/474	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/475	4	of the genus Shigella, i.e. Dysentery	<administrative transfer to Y02A50/30>
D	Y02A50/476	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/478	4	of the genus Legionella, i.e. Legionellosis or Legionnaires' disease	<administrative transfer to Y02A50/30>
D	Y02A50/479	4	of the genus Leptospira, i.e. Leptospirosis	<administrative transfer to Y02A50/30>
D	Y02A50/48	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>

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D	Y02A50/481	4	of the genus Salmonella, i.e. Salmonellosis	<administrative transfer to Y02A50/30>
D	Y02A50/482	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/483	5	the bacteria being Salmonella typhi, i.e. Typhoid fever	<administrative transfer to Y02A50/30>
D	Y02A50/484	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/485	3	The waterborne disease being caused by a protozoa	<administrative transfer to Y02A50/30>
D	Y02A50/486	4	the protozoan being Entamoeba histolytica, i.e. Amoebiasis	<administrative transfer to Y02A50/30>
D	Y02A50/487	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/488	4	the protozoan being Cryptosporidium parvum, i.e. Cryptosporidiosis	<administrative transfer to Y02A50/30>
D	Y02A50/489	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	<administrative transfer to Y02A50/30>
D	Y02A50/49	4	the protozoan being Cyclospora cayetanensis, i.e. Cyclosporiasis	<administrative transfer to Y02A50/30>
D	Y02A50/491	4	the protozoan being Giardia lamblia or Giardia intestinalis, i.e. Giardiasis	<administrative transfer to Y02A50/30>
D	Y02A50/492	4	of the phylum Microsporidia, i.e. Microsporidiosis	<administrative transfer to Y02A50/30>
D	Y02A50/50	2	Chemical or biological analysis of biological material for identifying the disease, e.g. blood or urine testing, rapid diagnostic tests [RTDs] or immunological testing	<administrative transfer to Y02A50/30>
D	Y02A50/51	3	the disease being Chikungunya fever	<administrative transfer to Y02A50/30>
D	Y02A50/52	3	the disease being Cholera	<administrative transfer to Y02A50/30>
D	Y02A50/53	3	the disease being Dengue fever	<administrative transfer to Y02A50/30>
D	Y02A50/54	3	the disease being Hepatitis A	<administrative transfer to Y02A50/30>
D	Y02A50/55	3	the disease being Leishmaniasis, Sand-fly fever, phlebotomus fever, kala-azar, black fever or Dumdum fever	<administrative transfer to Y02A50/30>
D	Y02A50/56	3	the disease being Leptospirosis	<administrative transfer to Y02A50/30>

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D	Y02A50/57	3	the disease being Lyme disease or Lyme borreliosis	<administrative transfer to Y02A50/30>
D	Y02A50/58	3	the disease being Malaria	<administrative transfer to Y02A50/30>
D	Y02A50/59	3	the disease being Typhus or typhoid fever	<administrative transfer to Y02A50/30>
D	Y02A50/60	3	the disease being Yellow fever or Ochropyra	<administrative transfer to Y02A50/30>
U	Y02A90/00	0	Technologies having an indirect contribution to adaptation to climate change	
T	Y02A90/10	1	Information and communication technologies [ICT] supporting adaptation to climate change, e.g. for weather forecasting or climate simulation	
D	Y02A90/12	2	Specially adapted for meteorology, e.g. weather forecasting, climate modelling	<administrative transfer to Y02A90/10>
D	Y02A90/13	3	Monitoring or forecasting for establishing the amount of global warming	<administrative transfer to Y02A90/10>
D	Y02A90/14	3	Real-time meteorological measuring	<administrative transfer to Y02A90/10>
D	Y02A90/15	3	Weather or climate specific geographic information systems [GIS], databases or models	<administrative transfer to Y02A90/10>
D	Y02A90/16	3	Climate simulation; Climate scenario development	<administrative transfer to Y02A90/10>
D	Y02A90/17	3	Weather surveillance systems using the reflection or reradiation of electromagnetic waves	<administrative transfer to Y02A90/10>
D	Y02A90/18	4	Radar-based	<administrative transfer to Y02A90/10>
D	Y02A90/19	4	Based on light detection and ranging [LIDAR] systems	<administrative transfer to Y02A90/10>
D	Y02A90/20	2	specially adapted for the handling or processing of medical or healthcare data, relating to climate change	<administrative transfer to Y02A90/10>
D	Y02A90/22	3	for administrative, organizational or management aspects influenced by climate change adaptation	<administrative transfer to Y02A90/10>
D	Y02A90/24	3	for detecting, monitoring or modelling of medical or healthcare patterns in geographical or climatic regions, e.g. epidemics or pandemics	<administrative transfer to Y02A90/10>
D	Y02A90/26	3	for diagnosis or treatment, for medical simulation or for handling medical devices	<administrative transfer to Y02A90/10>
T	Y02A90/30	1	Assessment of water resources	

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D	Y02A90/32	2	based on topography, e.g. mapping, location, large scale investigation of water resources or satellite or aerial imagery	<administrative transfer to Y02A90/30>
D	Y02A90/34	2	Hydrogeology; Hydrogeophysics	<administrative transfer to Y02A90/30>
D	Y02A90/342	3	by measuring electric resistivity	<administrative transfer to Y02A90/30>
D	Y02A90/344	3	by measuring magnetic field strength	<administrative transfer to Y02A90/30>
D	Y02A90/36	2	Seismic methods or vibration analysis	<administrative transfer to Y02A90/30>
U	Y02A90/40	1	Monitoring or fighting invasive species	

SUBCLASS Y02B - CLIMATE CHANGE MITIGATION TECHNOLOGIES RELATED TO BUILDINGS, e.g. HOUSING, HOUSE APPLIANCES OR RELATED END-USER APPLICATIONS

<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>
U	Y02B10/00	0	Integration of renewable energy sources in buildings	
T	Y02B10/10	1	Photovoltaic [PV]	
D	Y02B10/12	2	Roof systems for PV cells	<administrative transfer to Y02B10/10>
D	Y02B10/14	2	PV hubs	<administrative transfer to Y02B10/10>
T	Y02B10/20	1	Solar thermal	
D	Y02B10/22	2	Evacuated solar collectors	<administrative transfer to Y02B10/20>
D	Y02B10/24	2	Air conditioning or refrigeration systems	<administrative transfer to Y02B10/20>
U	Y02B10/30	1	Wind power	
U	Y02B10/40	1	Geothermal heat-pumps	
U	Y02B10/50	1	Hydropower in dwellings	
T	Y02B10/70	1	Hybrid systems, e.g. uninterruptible or back-up power supplies integrating renewable energies	
D	Y02B10/72	2	Uninterruptible or back-up power supplies integrating renewable energies	<administrative transfer to Y02B10/70>

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T	Y02B20/00	0	Energy efficient lighting technologies, e.g. halogen lamps or gas discharge lamps	
D	Y02B20/10	1	Energy saving technologies for incandescent lamps	<administrative transfer to Y02B20/00>
D	Y02B20/12	2	Halogen lamps	<administrative transfer to Y02B20/00>
D	Y02B20/125	3	High voltage halogen lamps	<administrative transfer to Y02B20/00>
D	Y02B20/14	2	Specially adapted circuits	<administrative transfer to Y02B20/00>
D	Y02B20/142	3	for resonant dimming, e.g. by means of high frequency resonant bridges	<administrative transfer to Y02B20/00>
D	Y02B20/144	3	for pulse modulation dimming	<administrative transfer to Y02B20/00>
D	Y02B20/146	3	for phase control dimming	<administrative transfer to Y02B20/00>
D	Y02B20/148	4	for reverse phase control dimming	<administrative transfer to Y02B20/00>
D	Y02B20/16	1	Gas discharge lamps, e.g. fluorescent lamps, high intensity discharge lamps [HID] or molecular radiators	<administrative transfer to Y02B20/00>
D	Y02B20/18	2	Low pressure and fluorescent lamps	<administrative transfer to Y02B20/00>
D	Y02B20/181	3	Fluorescent powders	<administrative transfer to Y02B20/00>
D	Y02B20/183	3	Specially adapted circuits	<administrative transfer to Y02B20/00>
D	Y02B20/185	4	Self-resonant bridges	<administrative transfer to Y02B20/00>
D	Y02B20/186	4	Controlled bridges	<administrative transfer to Y02B20/00>
D	Y02B20/188	5	with dedicated cathode heating circuitry	<administrative transfer to Y02B20/00>
D	Y02B20/19	2	Mechanical details of compact fluorescent lamps	<administrative transfer to Y02B20/00>
D	Y02B20/20	2	High pressure [UHP] or high intensity discharge lamps [HID]	<administrative transfer to Y02B20/00>
D	Y02B20/202	3	Specially adapted circuits	<administrative transfer to Y02B20/00>
D	Y02B20/204	4	Details of the starting circuit	<administrative transfer to Y02B20/00>
D	Y02B20/206	5	for hot restarting	<administrative transfer to Y02B20/00>
D	Y02B20/208	4	providing detection and prevention of anomalous lamp operating conditions	<administrative transfer to Y02B20/00>

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D	Y02B20/22	2	Other discharge lamps	<administrative transfer to Y02B20/00>
T	Y02B20/30	1	Semiconductor lamps, e.g. solid state lamps [SSL] light emitting diodes [LED] or organic LED [OLED]	
D	Y02B20/32	2	Electroluminescent panels	<administrative transfer to Y02B20/30>
D	Y02B20/34	2	Inorganic LEDs	<administrative transfer to Y02B20/30>
D	Y02B20/341	3	Specially adapted circuits	<administrative transfer to Y02B20/30>
D	Y02B20/342	4	for driving the LEDs directly from an AC voltage source, e.g. with only passive components	<administrative transfer to Y02B20/30>
D	Y02B20/343	4	Linear regulators	<administrative transfer to Y02B20/30>
D	Y02B20/345	5	configured as a current source	<administrative transfer to Y02B20/30>
D	Y02B20/346	4	Switching regulators	<administrative transfer to Y02B20/30>
D	Y02B20/347	5	configured as a current source	<administrative transfer to Y02B20/30>
D	Y02B20/348	4	Resonant bridges	<administrative transfer to Y02B20/30>
D	Y02B20/36	2	Organic LEDs, i.e. OLEDs for general illumination	<administrative transfer to Y02B20/30>
D	Y02B20/38	2	Constructional details	<administrative transfer to Y02B20/30>
D	Y02B20/383	3	Adaptation to Edison sockets	<administrative transfer to Y02B20/30>
D	Y02B20/386	3	Retrofitting in tubes	<administrative transfer to Y02B20/30>
T	Y02B20/40	1	Control techniques providing energy savings, e.g. smart controller or presence detection	
D	Y02B20/42	2	based on timing means or schedule	<administrative transfer to Y02B20/40>
D	Y02B20/44	2	based on detection of the user	<administrative transfer to Y02B20/40>
D	Y02B20/445	3	Controlling the access to premises	<administrative transfer to Y02B20/40>
D	Y02B20/46	2	based on detection of the illumination level	<administrative transfer to Y02B20/40>
D	Y02B20/48	2	Smart controllers	<administrative transfer to Y02B20/40>

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D	Y02B20/70	1	Used in particular applications	<administrative transfer to Y02B20/00>
M	Y02B20/72	1	in street lighting	
T	Y02B30/00	0	Energy efficient heating, ventilation or air conditioning [HVAC]	
D	Y02B30/08	1	relating to domestic heating, space heating, domestic hot water heating [DHW] or supply systems	<administrative transfer to Y02B30/00>
D	Y02B30/10	2	using boilers	<administrative transfer to Y02B30/00>
D	Y02B30/102	3	Condensing boilers	<administrative transfer to Y02B30/00>
D	Y02B30/104	4	Moistening the combustion air with condensate from the combustion gases	<administrative transfer to Y02B30/00>
D	Y02B30/106	4	Removing condensate from the heater	<administrative transfer to Y02B30/00>
D	Y02B30/108	3	Modular boilers, i.e. connecting different sections within a boiler or cascading multiple boilers	<administrative transfer to Y02B30/00>
T	Y02B30/12	1	Hot water central heating systems using heat pumps	
D	Y02B30/125	3	combined with the use of heat accumulated in storage masses	<administrative transfer to Y02B30/12>
M	Y02B30/13	1	Hot air central heating systems using heat pumps	
D	Y02B30/14	2	Central heating systems having more than one heat source	<administrative transfer to Y02B30/00>
D	Y02B30/16	2	Central heating systems using steam or condensate extracted or exhausted from steam engine plants	<administrative transfer to Y02B30/00>
M	Y02B30/17	1	District heating	
M	Y02B30/18	1	Domestic hot-water supply systems using recuperated or waste heat	
D	Y02B30/20	2	Heat consumers, i.e. devices to provide the end-user with heat	<administrative transfer to Y02B30/00>
D	Y02B30/22	3	Low temperature radiators, i.e. convectors, radiators or a mixture of both with increased heat-exchange surface being suitable for systems working with a low temperature heat transfer medium	<administrative transfer to Y02B30/00>
D	Y02B30/24	3	ceiling, wall or underfloor heating arrangements for being used in combination with water central heating system	<administrative transfer to Y02B30/00>
D	Y02B30/26	3	Radiant panels electrically heated	<administrative transfer to Y02B30/00>

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D	Y02B30/28	3	Direct fired air heaters, i.e. the air being in direct contact with the exhaust gases of the burner	<administrative transfer to Y02B30/00>
D	Y02B30/50	1	Systems profiting of external or internal conditions	<administrative transfer to Y02B30/00>
M	Y02B30/52	1	Heat recovery pumps, i.e. heat pump based systems or units able to transfer the thermal energy from one area of the premises or part of the facilities to a different one, improving the overall efficiency	
T	Y02B30/54	1	Free-cooling systems	
D	Y02B30/542	3	Air based, e.g. mixed outside air and recirculation systems	<administrative transfer to Y02B30/54>
D	Y02B30/545	3	Cooling using dew point control and direct humidifiers	<administrative transfer to Y02B30/54>
D	Y02B30/547	3	Using energy from the ground by air circulation, e.g. "Canadian well"	<administrative transfer to Y02B30/54>
T	Y02B30/56	1	Heat recovery units	
D	Y02B30/563	3	Air to air	<administrative transfer to Y02B30/56>
D	Y02B30/566	3	Water to water	<administrative transfer to Y02B30/56>
D	Y02B30/60	1	Other technologies for heating or cooling	<administrative transfer to Y02B30/00>
M	Y02B30/62	1	Absorption based systems	
M	Y02B30/625	2	combined with heat or power generation [CHP], e.g. trigeneration	
D	Y02B30/64	2	Adsorption based systems	<administrative transfer to Y02B30/00>
D	Y02B30/66	2	Magnetic cooling	<administrative transfer to Y02B30/00>
T	Y02B30/70	1	Efficient control or regulation technologies, e.g. for control of refrigerant flow, motor or heating	
D	Y02B30/72	2	Electric or electronic refrigerant flow control	<administrative transfer to Y02B30/70>
D	Y02B30/74	2	Technologies based on motor control	<administrative transfer to Y02B30/70>
D	Y02B30/741	3	Speed regulation of the compressor	<administrative transfer to Y02B30/70>
D	Y02B30/743	3	Speed control of condenser or evaporator fans, e.g. for controlling the pressure of the condenser	<administrative transfer to Y02B30/70>
D	Y02B30/745	3	Speed regulation of pumps in flow control systems	<administrative transfer to Y02B30/70>

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D	Y02B30/746	3	Speed regulation of fans in flow control systems	<administrative transfer to Y02B30/70>
D	Y02B30/748	3	Speed regulation of fans and pumps in cooling towers	<administrative transfer to Y02B30/70>
D	Y02B30/76	2	Centralised control	<administrative transfer to Y02B30/70>
D	Y02B30/762	3	of heating or domestic hot water [DHW] systems	<administrative transfer to Y02B30/70>
D	Y02B30/765	3	of refrigeration machines, plants or systems, including combined heating and refrigeration systems or heat-pumps	<administrative transfer to Y02B30/70>
D	Y02B30/767	3	of air distribution systems	<administrative transfer to Y02B30/70>
D	Y02B30/78	2	Ventilation adapted to air quality	<administrative transfer to Y02B30/70>
D	Y02B30/80	1	Ultrasonic humidifiers	<administrative transfer to Y02B30/70>
T	Y02B30/90	1	Passive houses; Double facade technology	
D	Y02B30/92	2	with air flow into the conditioned premises or facilities	<administrative transfer to Y02B30/90>
D	Y02B30/94	2	Improving the thermodynamic properties of the premises or facilities	<administrative transfer to Y02B30/90>
T	Y02B40/00	0	Technologies aiming at improving the efficiency of home appliances, e.g. induction cooking or efficient technologies for refrigerators, freezers or dish washers	
D	Y02B40/10	1	relating to domestic cooking	<administrative transfer to Y02B40/00>
D	Y02B40/12	2	Induction cooking in kitchen stoves	<administrative transfer to Y02B40/00>
D	Y02B40/123	3	Control circuit or coil power supply	<administrative transfer to Y02B40/00>
D	Y02B40/126	3	Coil arrangements	<administrative transfer to Y02B40/00>
D	Y02B40/14	2	Microwave ovens	<administrative transfer to Y02B40/00>
D	Y02B40/143	3	Control circuit or magnetron power supply	<administrative transfer to Y02B40/00>
D	Y02B40/146	3	Load impedance matching, e.g. by acting upon phase or frequency	<administrative transfer to Y02B40/00>
D	Y02B40/16	2	Improved cooking stoves	<administrative transfer to Y02B40/00>
D	Y02B40/163	3	Fuel efficient biomass cooking stoves	<administrative transfer to Y02B40/00>
D	Y02B40/166	3	Fuel efficient gas cooking stoves	<administrative transfer to Y02B40/00>

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title <u>“CPC only” text should normally be enclosed in {curly brackets}!**</u>	Transferred to#
T	Y02B40/18	1	using renewables, e.g. solar cooking stoves, furnaces or solar heating	
D	Y02B40/30	1	relating to refrigerators or freezers	<administrative transfer to Y02B40/00>
D	Y02B40/32	2	Motor speed control of compressors or fans	<administrative transfer to Y02B40/00>
D	Y02B40/34	2	Thermal insulation	<administrative transfer to Y02B40/00>
D	Y02B40/40	1	relating to dish washers	<administrative transfer to Y02B40/00>
D	Y02B40/42	2	Motor speed control of pumps	<administrative transfer to Y02B40/00>
D	Y02B40/44	2	Heat recovery, e.g. of washing water	<administrative transfer to Y02B40/00>
D	Y02B40/46	2	Optimisation of water quantity, e.g. of hot water	<administrative transfer to Y02B40/00>
D	Y02B40/50	1	Relating to washing machines	<administrative transfer to Y02B40/00>
D	Y02B40/52	2	Motor speed control of drum or pumps	<administrative transfer to Y02B40/00>
D	Y02B40/54	2	Heat recovery, e.g. of washing water	<administrative transfer to Y02B40/00>
D	Y02B40/56	2	Optimisation of water quantity	<administrative transfer to Y02B40/00>
D	Y02B40/58	2	Solar heating	<administrative transfer to Y02B40/18>
D	Y02B40/70	1	relating to laundry dryers	<administrative transfer to Y02B40/00>
D	Y02B40/72	2	Motor speed control of drum or fans	<administrative transfer to Y02B40/00>
D	Y02B40/74	2	Solar heating	<administrative transfer to Y02B40/18>
D	Y02B40/80	1	relating to vacuum cleaners	<administrative transfer to Y02B40/00>
D	Y02B40/82	2	Motor speed or motor power consumption control	<administrative transfer to Y02B40/00>
D	Y02B40/84	2	Motor overheating or overloading prevention	<administrative transfer to Y02B40/00>
D	Y02B40/90	1	Energy efficient batteries, ultracapacitors, supercapacitors or double-layer capacitors charging or discharging systems or methods specially adapted for portable applications	<administrative transfer to Y02B40/00>
T	Y02B50/00	0	Energy efficient technologies in elevators, escalators and moving walkways, e.g. energy saving or recuperation technologies	

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D	Y02B50/10	1	in elevators	<administrative transfer to Y02B50/00>
D	Y02B50/12	2	Energy saving technologies	<administrative transfer to Y02B50/00>
D	Y02B50/122	3	by adapted call allocation	<administrative transfer to Y02B50/00>
D	Y02B50/125	3	by adapting the motion profile	<administrative transfer to Y02B50/00>
D	Y02B50/127	3	by control of auxiliary devices	<administrative transfer to Y02B50/00>
D	Y02B50/14	2	Energy recuperation technologies	<administrative transfer to Y02B50/00>
D	Y02B50/142	3	with electrical storage	<administrative transfer to Y02B50/00>
D	Y02B50/144	3	with mechanical storage	<administrative transfer to Y02B50/00>
D	Y02B50/146	3	with pressure storage	<administrative transfer to Y02B50/00>
D	Y02B50/148	3	by delivering current to the grid for hydraulic elevators	<administrative transfer to Y02B50/00>
D	Y02B50/20	1	in escalators and moving walkways	<administrative transfer to Y02B50/00>
D	Y02B50/22	2	Energy saving technologies	<administrative transfer to Y02B50/00>
D	Y02B50/225	3	by adapting the motion profile	<administrative transfer to Y02B50/00>
D	Y02B50/24	2	Energy recuperation technologies	<administrative transfer to Y02B50/00>
U	Y02B70/00	0	Technologies for an efficient end-user side electric power management and consumption	
T	Y02B70/10	1	Technologies improving the efficiency by using switched-mode power supplies [SMPS], i.e. efficient power electronics conversion e.g. power factor correction or reduction of losses in power supplies or efficient standby modes	
D	Y02B70/12	2	Power factor correction technologies for power supplies	<administrative transfer to Y02B70/10>
D	Y02B70/123	3	Passive technologies	<administrative transfer to Y02B70/10>
D	Y02B70/126	3	Active technologies	<administrative transfer to Y02B70/10>
D	Y02B70/14	2	Reduction of losses in power supplies	<administrative transfer to Y02B70/10>

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D	Y02B70/1408	3	Low frequency active rectification, i.e. from a low frequency AC grid or generator	<administrative transfer to Y02B70/10>
D	Y02B70/1416	3	Converters benefiting from a resonance, e.g. resonant or quasi-resonant converters	<administrative transfer to Y02B70/10>
D	Y02B70/1425	4	in non-galvanically isolated DC/DC converters	<administrative transfer to Y02B70/10>
D	Y02B70/1433	4	in galvanically isolated DC/DC converters	<administrative transfer to Y02B70/10>
D	Y02B70/1441	4	in DC/AC or AC/DC converters	<administrative transfer to Y02B70/10>
D	Y02B70/145	4	in AC/AC converters	<administrative transfer to Y02B70/10>
D	Y02B70/1458	3	Synchronous rectification	<administrative transfer to Y02B70/10>
D	Y02B70/1466	4	in non-galvanically isolated DC/DC converters	<administrative transfer to Y02B70/10>
D	Y02B70/1475	4	in galvanically isolated DC/DC converters	<administrative transfer to Y02B70/10>
D	Y02B70/1483	3	by using wide band gap based power semiconductors, i.e. power converters integrating silicon carbide [SiC], gallium nitride [GaN], gallium arsenide [GaAs] or diamond power switches	<administrative transfer to Y02B70/10>
D	Y02B70/1491	3	Other technologies for reduction of losses, e.g. non-dissipative snubbers, diode reverse recovery losses minimisation, zero voltage switching [ZVS], zero current switching [ZCS] or soft switching converters	<administrative transfer to Y02B70/10>
D	Y02B70/16	2	Efficient standby or energy saving modes, e.g. detecting absence of load or auto-off	<administrative transfer to Y02B70/10>
T	Y02B70/30	1	Systems integrating technologies related to power network operation and communication or information technologies for improving the carbon footprint of the management of residential or tertiary loads, i.e. smart grids as climate change mitigation technology in the buildings sector, including also the last stages of power distribution and the control, monitoring or operating management systems at local level	
D	Y02B70/32	2	End-user application control systems	<administrative transfer to Y02B70/30>
D	Y02B70/3208	3	characterised by the aim of the control	<administrative transfer to Y02B70/30>

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D	Y02B70/3216	4	General power management systems	<administrative transfer to Y02B70/30>
M	Y02B70/3225	2	Demand response systems, e.g. load shedding, peak shaving	
D	Y02B70/3233	4	The system entering an energy saving mode, i.e. sleep, low-power or standby modes	<administrative transfer to Y02B70/30>
D	Y02B70/3241	4	Domotics or building automation systems	<administrative transfer to Y02B70/30>
D	Y02B70/325	5	involving home automation communication networks	<administrative transfer to Y02B70/30>
D	Y02B70/3258	3	characterised by the end-user application	<administrative transfer to Y02B70/30>
D	Y02B70/3266	4	The end-user application being or involving home appliances	<administrative transfer to Y02B70/30>
D	Y02B70/3275	5	The home appliances being or involving heating ventilating or air conditioning [HVAC] units	<administrative transfer to Y02B70/30>
D	Y02B70/3283	5	The system involving the remote operation of lamps or lighting equipment	<administrative transfer to Y02B70/30>
D	Y02B70/3291	4	The end-user application involving uninterruptible power supply [UPS] systems or standby or emergency generators (for uninterruptible power supply systems or standby or emergency generators in the last power distribution stages Y04S20/12)	<administrative transfer to Y02B70/30>
T	Y02B70/34	2	Smart metering supporting the carbon neutral operation of end-user applications in buildings	
D	Y02B70/343	3	Systems which determine the environmental impact of user behavior	<administrative transfer to Y02B70/34>
D	Y02B70/346	3	Systems which monitor the performance of renewable electricity generating systems, e.g. of solar panels	<administrative transfer to Y02B70/34>
T	Y02B80/00	0	Architectural or constructional elements improving the thermal performance of buildings	
T	Y02B80/10	1	Insulation, e.g. vacuum or aerogel insulation	
D	Y02B80/12	2	Slab shaped vacuum insulation	<administrative transfer to Y02B80/10>
D	Y02B80/14	2	Slab shaped aerogel insulation	<administrative transfer to Y02B80/10>
D	Y02B80/20	1	Windows or doors	<administrative transfer to Y02B80/00>

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T	Y02B80/22	1	Glazing, e.g. vacuum glazing	
D	Y02B80/24	3	Vacuum glazing	<administrative transfer to Y02B80/22>
D	Y02B80/26	3	Other special glazing, e.g. aerogel	<administrative transfer to Y02B80/22>
D	Y02B80/28	2	Wooden or plastic frames with extra insulation	<administrative transfer to Y02B80/00>
D	Y02B80/30	1	Roofs	<administrative transfer to Y02B80/00>
M	Y02B80/32	1	Roof garden systems	
D	Y02B80/34	2	Roof coverings with high solar reflectance	<administrative transfer to Y02B80/00>
D	Y02B80/40	1	Floors specially adapted for storing heat or cold	<administrative transfer to Y02B80/00>
D	Y02B80/50	1	Light dependent control systems for sun shading	<administrative transfer to Y02B80/00>
U	Y02B90/00	0	Enabling technologies or technologies with a potential or indirect contribution to GHG emissions mitigation	
T	Y02B90/10	1	Applications of fuel cells in buildings	
D	Y02B90/12	2	Cogeneration of electricity with other electric generators	<administrative transfer to Y02B90/10>
D	Y02B90/14	2	Emergency, uninterruptible or back-up power supplies integrating fuel cells	<administrative transfer to Y02B90/10>
D	Y02B90/16	2	Cogeneration or combined heat and power generation, e.g. for domestic hot water	<administrative transfer to Y02B90/10>
D	Y02B90/18	2	Fuel cells specially adapted to portable applications, e.g. mobile phone, laptop	<administrative transfer to Y02B90/10>
T	Y02B90/20	1	Smart grids as enabling technology in buildings sector (smart grids supporting the management or operation of end-user stationary applications in general, or like technologies with no associated climate change mitigation effect Y04S20/00)	
D	Y02B90/22	2	Systems characterised by the monitored, controlled or operated end-user elements or equipments	<administrative transfer to Y02B90/20>
D	Y02B90/222	3	the elements or equipments being or involving energy storage units, uninterruptible power supply [UPS] systems or standby or emergency generators involved in the last power distribution stages (energy storage units involved in power generation, transmission or distribution Y04S10/14; uninterruptible power supply systems or	<administrative transfer to Y02B90/20>

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			standby or emergency generators as end-user application Y04S20/248)	
D	Y02B90/224	3	the elements or equipments being or involving protection elements, switches, relays or circuit breakers	<administrative transfer to Y02B90/20>
D	Y02B90/226	3	the elements or equipments being or involving power plugs, sockets, adapters or power strips	<administrative transfer to Y02B90/20>
D	Y02B90/228	3	the element or elements being a direct current power network, grid or distribution line	<administrative transfer to Y02B90/20>
D	Y02B90/24	2	Smart metering mediating in the carbon neutral operation of end-user applications in buildings	<administrative transfer to Y02B90/20>
D	Y02B90/241	3	Systems characterised by remote reading	<administrative transfer to Y02B90/20>
D	Y02B90/242	4	from a fixed location	<administrative transfer to Y02B90/20>
D	Y02B90/243	4	from a mobile location	<administrative transfer to Y02B90/20>
D	Y02B90/244	4	the remote reading system including mechanisms for turning on/off the supply	<administrative transfer to Y02B90/20>
D	Y02B90/245	3	Displaying of usage with respect to time, e.g. monitoring evolution of usage, relating usage to weather conditions	<administrative transfer to Y02B90/20>
D	Y02B90/246	3	Utility meters which are networked together, e.g. within a single building	<administrative transfer to Y02B90/20>
D	Y02B90/247	3	Retrofitting of installed meters	<administrative transfer to Y02B90/20>
D	Y02B90/248	3	Systems oriented to metering of generated energy or power	<administrative transfer to Y02B90/20>
D	Y02B90/26	2	Communication technology specific aspects	<administrative transfer to Y02B90/20>
D	Y02B90/2607	3	characterised by data transport means between the monitoring, controlling or managing units and the monitored, controlled or operated electrical equipment	<administrative transfer to Y02B90/20>
D	Y02B90/2615	4	using the power network as support for the transmission	<administrative transfer to Y02B90/20>
D	Y02B90/2623	5	using pulsed signals	<administrative transfer to Y02B90/20>
D	Y02B90/263	5	using modification of a parameter of the network power signal	<administrative transfer to Y02B90/20>
D	Y02B90/2638	4	using a wired telecommunication network or a data transmission bus	<administrative transfer to Y02B90/20>

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D	Y02B90/2646	4	using phone lines	<administrative transfer to Y02B90/20>
D	Y02B90/2653	4	using wireless data transmission	<administrative transfer to Y02B90/20>
D	Y02B90/2661	5	By means of mobile telephony	<administrative transfer to Y02B90/20>
D	Y02B90/2669	4	involving the use of Internet protocol	<administrative transfer to Y02B90/20>
D	Y02B90/2676	3	Communication technology specific aspects	<administrative transfer to Y02B90/20>
D	Y02B90/2684	4	using dedicated transmission supports	<administrative transfer to Y02B90/20>
D	Y02B90/2692	4	using the power network as support for the transmission	<administrative transfer to Y02B90/20>

SUBCLASS Y02C - CAPTURE, STORAGE, SEQUESTRATION OR DISPOSAL OF GREENHOUSE GASES [GHG]

<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><administrative transferred to#</u>
D	Y02C10/00	0	CO ₂ capture or storage	<administrative transfer to Y02C20/40>
D	Y02C10/02	1	Capture by biological separation	<administrative transfer to Y02C20/40>
D	Y02C10/04	1	Capture by chemical separation	<administrative transfer to Y02C20/40>
D	Y02C10/06	1	Capture by absorption	<administrative transfer to Y02C20/40>
D	Y02C10/08	1	Capture by adsorption	<administrative transfer to Y02C20/40>
D	Y02C10/10	1	Capture by membranes or diffusion	<administrative transfer to Y02C20/40>
D	Y02C10/12	1	Capture by rectification and condensation	<administrative transfer to Y02C20/40>
D	Y02C10/14	1	Subterranean or submarine CO ₂ storage	<administrative transfer to Y02C20/40>
M	Y02C20/00	0	Capture or disposal of greenhouse gases	
U	Y02C20/10	1	of nitrous oxide (N ₂ O)	
U	Y02C20/20	1	of methane	

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U	Y02C20/30	1	of perfluorocarbons [PFC], hydrofluorocarbons [HFC] or sulfur hexafluoride [SF ₆]	
N	Y02C20/40	1	of CO ₂	

SUBCLASS Y02D CLIMATE CHANGE MITIGATION TECHNOLOGIES IN INFORMATION AND COMMUNICATION TECHNOLOGIES [ICT], I.E. INFORMATION AND COMMUNICATION TECHNOLOGIES AIMING AT THE REDUCTION OF THEIR OWN ENERGY USE

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T	Y02D10/00	0	Energy efficient computing, e.g. low power processors, power management or thermal management	
D	Y02D10/10	1	Reducing energy consumption at the single machine level, e.g. processors, personal computers, peripherals or power supply	<administrative transfer to Y02D10/00>
D	Y02D10/11	2	involving a plurality of components	<administrative transfer to Y02D10/00>
D	Y02D10/12	2	acting upon the main processing unit	<administrative transfer to Y02D10/00>
D	Y02D10/122	3	Low-power processors	<administrative transfer to Y02D10/00>
D	Y02D10/124	3	Performance modes	<administrative transfer to Y02D10/00>
D	Y02D10/126	3	Frequency modification	<administrative transfer to Y02D10/00>
D	Y02D10/128	3	Clock disabling	<administrative transfer to Y02D10/00>
D	Y02D10/13	2	Access, addressing or allocation within memory systems or architectures, e.g. to reduce power consumption or heat production or to increase battery life	<administrative transfer to Y02D10/00>
D	Y02D10/14	2	Interconnection, or transfer of information or other signals between, memories, peripherals or central processing units	<administrative transfer to Y02D10/00>
D	Y02D10/15	2	acting upon peripherals	<administrative transfer to Y02D10/00>
D	Y02D10/151	3	the peripheral being a bus	<administrative transfer to Y02D10/00>

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D	Y02D10/152	3	the peripheral being a memory control unit [MCU]	<administrative transfer to Y02D10/00>
D	Y02D10/153	3	the peripheral being a display	<administrative transfer to Y02D10/00>
D	Y02D10/154	3	the peripheral being disc or storage devices	<administrative transfer to Y02D10/00>
D	Y02D10/1542	4	the peripheral being a CD-ROM unit	<administrative transfer to Y02D10/00>
D	Y02D10/155	3	the peripheral being a cursor control device	<administrative transfer to Y02D10/00>
D	Y02D10/156	3	the peripheral being a keyboard	<administrative transfer to Y02D10/00>
D	Y02D10/157	3	the peripheral being a modem	<administrative transfer to Y02D10/00>
D	Y02D10/158	3	the peripheral being a PCMCIA card	<administrative transfer to Y02D10/00>
D	Y02D10/159	3	the peripheral being a printer	<administrative transfer to Y02D10/00>
D	Y02D10/1592	4	Data transfer to print units	<administrative transfer to Y02D10/00>
D	Y02D10/16	2	Cooling means for computing equipment provided with thermal management	<administrative transfer to Y02D10/00>
D	Y02D10/17	2	Power management	<administrative transfer to Y02D10/00>
D	Y02D10/171	3	Selective power distribution	<administrative transfer to Y02D10/00>
D	Y02D10/172	3	Controlling the supply voltage	<administrative transfer to Y02D10/00>
D	Y02D10/173	3	Monitoring user presence	<administrative transfer to Y02D10/00>
D	Y02D10/174	3	Battery monitoring	<administrative transfer to Y02D10/00>
D	Y02D10/175	3	Power strips aiming to energy efficient operation	<administrative transfer to Y02D10/00>
D	Y02D10/20	1	Reducing energy consumption by means of multiprocessor or multiprocessing based techniques, other than acting upon the power supply	<administrative transfer to Y02D10/00>
D	Y02D10/22	2	Resource allocation	<administrative transfer to Y02D10/00>
D	Y02D10/24	2	Scheduling	<administrative transfer to Y02D10/00>
D	Y02D10/26	2	Increasing resource utilisation, e.g. virtualisation, consolidation	<administrative transfer to Y02D10/00>
D	Y02D10/28	2	Load distribution	<administrative transfer to Y02D10/00>

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D	Y02D10/30	1	Reducing energy consumption in distributed systems	<administrative transfer to Y02D10/00>
D	Y02D10/32	2	Delegation or migration	<administrative transfer to Y02D10/00>
D	Y02D10/34	2	Monitoring	<administrative transfer to Y02D10/00>
D	Y02D10/36	2	Resource sharing	<administrative transfer to Y02D10/00>
D	Y02D10/40	1	Reducing energy consumption at software or application level	<administrative transfer to Y02D10/00>
D	Y02D10/41	2	Compilation	<administrative transfer to Y02D10/00>
D	Y02D10/42	2	Installation	<administrative transfer to Y02D10/00>
D	Y02D10/43	2	At application level, i.e. feedback, prediction or usage patterns	<administrative transfer to Y02D10/00>
D	Y02D10/44	2	Suspending or hibernating, performance or eco-modes, operating system support, e.g. advanced configuration and power interface [ACPI]	<administrative transfer to Y02D10/00>
D	Y02D10/45	2	Information retrieval in databases	<administrative transfer to Y02D10/00>
T	Y02D30/00	0	Reducing energy consumption in communication networks	
D	Y02D30/10	1	by proxying, i.e. delegating network functionalities while in low-power mode, e.g. ECMA 393 standard	<administrative transfer to Y02D30/00>
D	Y02D30/20	1	by energy-aware routing	<administrative transfer to Y02D30/00>
D	Y02D30/30	1	by signaling and coordination, e.g. signaling reduction, link layer discovery protocol [LLDP], control policies, green TCP	<administrative transfer to Y02D30/00>
D	Y02D30/32	2	specifically suitable for Ethernet, e.g. IEEE802.3az	<administrative transfer to Y02D30/00>
D	Y02D30/34	2	specifically suitable for DSL	<administrative transfer to Y02D30/00>
D	Y02D30/40	1	Application modification for reducing energy consumption, e.g. green peer-to-peer,	<administrative transfer to Y02D30/00>
N	Y02D30/50	1	in wire-line communication networks, e.g. low power modes or reduced link rate	
N	Y02D30/70	1	in wireless communication networks	
D	Y02D50/00	0	Techniques for reducing energy consumption in wire-line communication networks	<administrative transfer to Y02D30/50>

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D	Y02D50/10	1	using reduced link rate, e.g. adaptive link rate, not involving auto-negotiation	<administrative transfer to Y02D30/50>
D	Y02D50/20	1	using subset functionality	<administrative transfer to Y02D30/50>
D	Y02D50/30	1	by selective link activation in bundled links	<administrative transfer to Y02D30/50>
D	Y02D50/40	1	by operating in low-power or sleep mode	<administrative transfer to Y02D30/50>
D	Y02D50/42	2	specifically suitable for Ethernet, e.g. IEEE802.3az	<administrative transfer to Y02D30/50>
D	Y02D50/44	2	specifically suitable for DSL	<administrative transfer to Y02D30/50>
D	Y02D70/00	0	Techniques for reducing energy consumption in wireless communication networks	<administrative transfer to Y02D30/70>
D	Y02D70/10	1	according to the Radio Access Technology [RAT]	<administrative transfer to Y02D30/70>
D	Y02D70/12	2	in 3rd Generation Partnership Project [3GPP] networks	<administrative transfer to Y02D30/70>
D	Y02D70/122	3	in 2nd generation [2G] networks	<administrative transfer to Y02D30/70>
D	Y02D70/1222	4	in Global System for Mobile Communications [GSM] networks	<administrative transfer to Y02D30/70>
D	Y02D70/1224	4	in General Packet Radio Service [GPRS] networks	<administrative transfer to Y02D30/70>
D	Y02D70/1226	4	in Enhanced Data rates for GSM Evolution [EDGE] networks	<administrative transfer to Y02D30/70>
D	Y02D70/124	3	in 3rd generation [3G] networks	<administrative transfer to Y02D30/70>
D	Y02D70/1242	4	in Universal Mobile Telecommunications Systems [UMTS] networks	<administrative transfer to Y02D30/70>
D	Y02D70/1244	4	in High-Speed Downlink Packet Access [HSDPA] networks	<administrative transfer to Y02D30/70>
D	Y02D70/1246	4	in High-Speed Uplink Packet Access [HSUPA] networks	<administrative transfer to Y02D30/70>
D	Y02D70/126	3	in 4th generation [4G] networks	<administrative transfer to Y02D30/70>
D	Y02D70/1262	4	in Long-Term Evolution [LTE] networks	<administrative transfer to Y02D30/70>
D	Y02D70/1264	4	in Long-Term Evolution Advanced [LTE-A] networks	<administrative transfer to Y02D30/70>
D	Y02D70/14	2	in Institute of Electrical and Electronics Engineers [IEEE] networks	<administrative transfer to Y02D30/70>
D	Y02D70/142	3	in Wireless Local Area Networks [WLAN]	<administrative transfer to Y02D30/70>

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D	Y02D70/144	3	in Bluetooth and Wireless Personal Area Networks [WPAN]	<administrative transfer to Y02D30/70>
D	Y02D70/146	3	in Worldwide Interoperability for Microwave Access [WiMAX] networks	<administrative transfer to Y02D30/70>
D	Y02D70/16	2	in other wireless communication networks	<administrative transfer to Y02D30/70>
D	Y02D70/162	3	in Zigbee networks	<administrative transfer to Y02D30/70>
D	Y02D70/164	3	in Satellite Navigation receivers	<administrative transfer to Y02D30/70>
D	Y02D70/166	3	in Radio Frequency Identification [RF-ID] transceivers	<administrative transfer to Y02D30/70>
D	Y02D70/168	3	in Digital Video Broadcasting [DVB] networks	<administrative transfer to Y02D30/70>
D	Y02D70/20	1	independent of Radio Access Technologies	<administrative transfer to Y02D30/70>
D	Y02D70/21	2	in machine-to-machine [M2M] and device-to-device [D2D] communications	<administrative transfer to Y02D30/70>
D	Y02D70/22	2	in peer-to-peer [P2P], ad hoc and mesh networks	<administrative transfer to Y02D30/70>
D	Y02D70/23	2	in Voice over IP [VoIP] networks	<administrative transfer to Y02D30/70>
D	Y02D70/24	2	in Discontinuous Reception [DRX] networks	<administrative transfer to Y02D30/70>
D	Y02D70/25	2	in Discontinuous Transmission [DTX] networks	<administrative transfer to Y02D30/70>
D	Y02D70/26	2	in wearable devices, e.g. watches, glasses	<administrative transfer to Y02D30/70>
D	Y02D70/30	1	Power-based selection of communication route or path	<administrative transfer to Y02D30/70>
D	Y02D70/32	2	based on wireless node resources	<administrative transfer to Y02D30/70>
D	Y02D70/322	3	based on characteristics of available antennas	<administrative transfer to Y02D30/70>
D	Y02D70/324	3	based on transmission power	<administrative transfer to Y02D30/70>
D	Y02D70/326	3	based on available power or energy	<administrative transfer to Y02D30/70>
D	Y02D70/34	2	based on transmission quality or channel quality	<administrative transfer to Y02D30/70>
D	Y02D70/38	2	based on geographic position or location	<administrative transfer to Y02D30/70>
D	Y02D70/39	2	using selective relaying for reaching a BTS [Base Transceiver Station] or an access point	<administrative transfer to Y02D30/70>

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D	Y02D70/40	1	According to the transmission technology	<administrative transfer to Y02D30/70>
D	Y02D70/42	2	Near-field transmission systems, e.g. inductive or capacitive coupling	<administrative transfer to Y02D30/70>
D	Y02D70/44	2	Radio transmission systems, i.e. using radiation field	<administrative transfer to Y02D30/70>
D	Y02D70/442	3	Diversity systems; Multi-antenna systems, i.e. transmission or reception using multiple antennas	<administrative transfer to Y02D30/70>
D	Y02D70/444	4	using two or more spaced independent antennas	<administrative transfer to Y02D30/70>
D	Y02D70/446	3	Relay systems	<administrative transfer to Y02D30/70>
D	Y02D70/448	3	for communication between two or more posts	<administrative transfer to Y02D30/70>
D	Y02D70/449	4	at least one of which is mobile	<administrative transfer to Y02D30/70>
D	Y02D70/46	2	Transmission systems employing electromagnetic waves other than radio-waves, e.g. infrared, visible or ultraviolet light, or employing corpuscular radiation, e.g. quantum communication	<administrative transfer to Y02D30/70>
D	Y02D70/48	2	Transmission systems employing sonic, ultrasonic or infrasonic waves	<administrative transfer to Y02D30/70>

SUBCLASS Y02E - REDUCTION OF GREENHOUSE GAS [GHG] EMISSIONS, RELATED TO ENERGY GENERATION, TRANSMISSION OR DISTRIBUTION

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
U	Y02E	subclass	REDUCTION OF GREENHOUSE GAS [GHG] EMISSIONS, RELATED TO ENERGY GENERATION, TRANSMISSION OR DISTRIBUTION	
U	Y02E10/00	0	Energy generation through renewable energy sources	
T	Y02E10/10	1	Geothermal energy	
D	Y02E10/12	2	Earth coil heat exchangers	<administrative transfer to Y02E10/10>
D	Y02E10/125	3	Compact tube assemblies, e.g. geothermal probes	<administrative transfer to Y02E10/10>

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
D	Y02E10/14	2	Systems injecting medium directly into ground, e.g. hot dry rock system, underground water	<administrative transfer to Y02E10/10>
D	Y02E10/16	2	Systems injecting medium into a closed well	<administrative transfer to Y02E10/10>
D	Y02E10/18	2	Systems exchanging heat with fluids in pipes, e.g. fresh water or waste water	<administrative transfer to Y02E10/10>
T	Y02E10/20	1	Hydro energy	
D	Y02E10/22	2	Conventional, e.g. with dams, turbines and waterwheels	<administrative transfer to Y02E10/20>
D	Y02E10/223	3	Turbines or waterwheels, e.g. details of the rotor	<administrative transfer to Y02E10/20>
D	Y02E10/226	3	Other parts or details	<administrative transfer to Y02E10/20>
D	Y02E10/28	2	Tidal stream or damless hydropower, e.g. sea flood and ebb, river, stream	<administrative transfer to Y02E10/20>
T	Y02E10/30	1	Energy from the sea, e.g. using wave energy or salinity gradient	
D	Y02E10/32	2	Oscillating water column [OWC]	<administrative transfer to Y02E10/30>
D	Y02E10/34	2	Ocean thermal energy conversion [OTEC]	<administrative transfer to Y02E10/30>
D	Y02E10/36	2	Salinity gradient	<administrative transfer to Y02E10/30>
D	Y02E10/38	2	Wave energy or tidal swell, e.g. Pelamis-type	<administrative transfer to Y02E10/30>
T	Y02E10/40	1	Solar thermal energy, e.g. solar towers	
D	Y02E10/41	2	Tower concentrators	<administrative transfer to Y02E10/40>
D	Y02E10/42	2	Dish collectors	<administrative transfer to Y02E10/40>
D	Y02E10/43	2	Fresnel lenses	<administrative transfer to Y02E10/40>
U	Y02E10/44	2	Heat exchange systems	
D	Y02E10/45	2	Trough concentrators	<administrative transfer to Y02E10/40>
T	Y02E10/46	2	Conversion of thermal power into mechanical power, e.g. Rankine, Stirling or solar thermal engines	
D	Y02E10/465	3	Thermal updraft	<administrative transfer to Y02E10/46>
U	Y02E10/47	2	Mountings or tracking	
T	Y02E10/50	1	Photovoltaic [PV] energy	
U	Y02E10/52	2	PV systems with concentrators	
D	Y02E10/54	2	Material technologies	<administrative transfer to Y02E10/50>

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M	Y02E10/541	2	CuInSe ₂ material PV cells	
M	Y02E10/542	2	Dye sensitized solar cells	
M	Y02E10/543	2	Solar cells from Group II-VI materials	
M	Y02E10/544	2	Solar cells from Group III-V materials	
M	Y02E10/545	2	Microcrystalline silicon PV cells	
M	Y02E10/546	2	Polycrystalline silicon PV cells	
M	Y02E10/547	2	Monocrystalline silicon PV cells	
M	Y02E10/548	2	Amorphous silicon PV cells	
M	Y02E10/549	2	Organic PV cells	
T	Y02E10/56	2	Power conversion systems, e.g. maximum power point trackers	
D	Y02E10/563	3	for grid-connected applications	<administrative transfer to Y02E10/56>
D	Y02E10/566	3	concerning power management inside the plant, e.g. battery charging/discharging, economical operation, hybridisation with other energy sources	<administrative transfer to Y02E10/56>
D	Y02E10/58	3	Maximum power point tracking [MPPT] systems	<administrative transfer to Y02E10/56>
U	Y02E10/60	1	Thermal-PV hybrids	
U	Y02E10/70	1	Wind energy	
T	Y02E10/72	2	Wind turbines with rotation axis in wind direction	
D	Y02E10/721	3	Blades or rotors	<administrative transfer to Y02E10/72>
D	Y02E10/722	3	Components or gearbox	<administrative transfer to Y02E10/72>
D	Y02E10/723	3	Control of turbines	<administrative transfer to Y02E10/72>
D	Y02E10/725	3	Generator or configuration	<administrative transfer to Y02E10/72>
D	Y02E10/726	3	Nacelles	<administrative transfer to Y02E10/72>
M	Y02E10/727	2	Offshore wind turbines	
M	Y02E10/728	2	Onshore wind turbines	
U	Y02E10/74	2	Wind turbines with rotation axis perpendicular to the wind direction	
T	Y02E10/76	2	Power conversion electric or electronic aspects	
D	Y02E10/763	3	for grid-connected applications	<administrative transfer to Y02E10/76>
D	Y02E10/766	3	concerning power management inside the plant, e.g. battery charging/discharging, economical operation, hybridisation with other energy sources	<administrative transfer to Y02E10/76>

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T	Y02E20/00	0	Combustion technologies with mitigation potential	
D	Y02E20/10	1	Combined combustion	<administrative transfer to Y02E20/00>
M	Y02E20/12	1	Heat utilisation in combustion or incineration of waste	
M	Y02E20/14	1	Combined heat and power generation [CHP]	
M	Y02E20/16	1	Combined cycle power plant [CCPP], or combined cycle gas turbine [CCGT]	
T	Y02E20/18	2	Integrated gasification combined cycle [IGCC], e.g. combined with carbon capture and storage [CCS]	
D	Y02E20/185	4	combined with carbon capture and storage [CCS]	<administrative transfer to Y02E20/18>
T	Y02E20/30	1	Technologies for a more efficient combustion or heat usage	
T	Y02E20/32	1	Direct CO ₂ mitigation	
D	Y02E20/322	3	Use of synair, i.e. a mixture of recycled CO ₂ and pure O ₂	<administrative transfer to Y02E20/32>
D	Y02E20/324	3	Use of reactants before or during combustion	<administrative transfer to Y02E20/32>
D	Y02E20/326	3	Segregation from fumes, including use of reactants downstream from combustion or deep cooling	<administrative transfer to Y02E20/32>
D	Y02E20/328	3	Controls of combustion specifically inferring on CO ₂ emissions	<administrative transfer to Y02E20/32>
T	Y02E20/34	1	Indirect CO ₂ mitigation, i.e. by acting on non CO ₂ directly related matters of the process, e.g. pre-heating or heat recovery	
D	Y02E20/342	3	Cold flame	<administrative transfer to Y02E20/34>
D	Y02E20/344	3	Oxyfuel combustion	<administrative transfer to Y02E20/34>
D	Y02E20/346	3	Unmixed combustion	<administrative transfer to Y02E20/34>
D	Y02E20/348	3	Air pre-heating	<administrative transfer to Y02E20/34>
D	Y02E20/36	2	Heat recovery other than air pre-heating	<administrative transfer to Y02E20/30>
D	Y02E20/363	3	at fumes level	<administrative transfer to Y02E20/30>
D	Y02E20/366	3	at burner level	<administrative transfer to Y02E20/30>
U	Y02E30/00	0	Energy generation of nuclear origin	
T	Y02E30/10	1	Nuclear fusion reactors	

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D	Y02E30/12	2	Magnetic plasma confinement [MPC]	<administrative transfer to Y02E30/10>
D	Y02E30/122	3	Tokamaks	<administrative transfer to Y02E30/10>
D	Y02E30/124	3	Stellarators	<administrative transfer to Y02E30/10>
D	Y02E30/126	3	Other reactors with MPC	<administrative transfer to Y02E30/10>
D	Y02E30/128	3	First wall, divertor, blanket	<administrative transfer to Y02E30/10>
D	Y02E30/14	2	Inertial plasma confinement	<administrative transfer to Y02E30/10>
D	Y02E30/16	3	Injection systems and targets	<administrative transfer to Y02E30/10>
D	Y02E30/18	2	Low temperature fusion, e.g. "cold fusion"	<administrative transfer to Y02E30/10>
T	Y02E30/30	1	Nuclear fission reactors	
D	Y02E30/31	2	Boiling water reactors	<administrative transfer to Y02E30/30>
D	Y02E30/32	2	Pressurized water reactors	<administrative transfer to Y02E30/30>
D	Y02E30/33	2	Gas cooled reactors	<administrative transfer to Y02E30/30>
D	Y02E30/34	2	Fast breeder reactors	<administrative transfer to Y02E30/30>
D	Y02E30/35	2	Liquid metal reactors	<administrative transfer to Y02E30/30>
D	Y02E30/36	2	Pebble bed reactors	<administrative transfer to Y02E30/30>
D	Y02E30/37	2	Accelerator driven reactors	<administrative transfer to Y02E30/30>
D	Y02E30/38	2	Fuel	<administrative transfer to Y02E30/30>
D	Y02E30/39	2	Control of nuclear reactions	<administrative transfer to Y02E30/30>
D	Y02E30/40	2	Other aspects relating to nuclear fission	<administrative transfer to Y02E30/30>
U	Y02E40/00	0	Technologies for an efficient electrical power generation, transmission or distribution	
T	Y02E40/10	1	Flexible AC transmission systems [FACTS]	

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D	Y02E40/12	2	Static VAR compensators [SVC], static VAR generators [SVG] or static VAR systems [SVS], including thyristor-controlled reactors [TCR], thyristor-switched reactors [TSR] or thyristor-switched capacitors [TSC]	<administrative transfer to Y02E40/10>
D	Y02E40/14	2	Thyristor-controlled series capacitors [TCSC]	<administrative transfer to Y02E40/10>
D	Y02E40/16	2	Static synchronous compensators [STATCOM]	<administrative transfer to Y02E40/10>
D	Y02E40/18	2	Unified power flow controllers [UPF] or controlled series voltage compensators	<administrative transfer to Y02E40/10>
T	Y02E40/20	1	Active power filtering [APF]	
D	Y02E40/22	2	Non-specified or voltage-fed active power filters	<administrative transfer to Y02E40/20>
D	Y02E40/24	2	Current-fed active power filters	<administrative transfer to Y02E40/20>
D	Y02E40/26	2	using a multilevel or multicell converter	<administrative transfer to Y02E40/20>
T	Y02E40/30	1	Reactive power compensation	
D	Y02E40/32	2	using synchronous generators	<administrative transfer to Y02E40/30>
D	Y02E40/34	2	for voltage regulation	<administrative transfer to Y02E40/30>
M	Y02E40/40	1	Arrangements for reducing harmonics	
U	Y02E40/50	1	Arrangements for eliminating or reducing asymmetry in polyphase networks	
T	Y02E40/60	1	Superconducting electric elements or equipment; Power systems integrating superconducting elements or equipment	
D	Y02E40/62	2	Superconducting generators	<administrative transfer to Y02E40/60>
D	Y02E40/622	3	Superconducting synchronous generators	<administrative transfer to Y02E40/60>
D	Y02E40/625	4	with a superconducting rotor	<administrative transfer to Y02E40/60>
D	Y02E40/627	3	Superconducting homopolar generators	<administrative transfer to Y02E40/60>
D	Y02E40/64	2	Superconducting transmission lines or power lines or cables or installations thereof	<administrative transfer to Y02E40/60>
D	Y02E40/641	3	characterised by their form	<administrative transfer to Y02E40/60>
D	Y02E40/642	4	Films or wires on bases or cores	<administrative transfer to Y02E40/60>

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D	Y02E40/644	4	Multifilaments embedded in normal conductors	<administrative transfer to Y02E40/60>
D	Y02E40/645	3	characterised by the disposition of thermal insulation	<administrative transfer to Y02E40/60>
D	Y02E40/647	3	characterised by cooling	<administrative transfer to Y02E40/60>
D	Y02E40/648	3	Installation of superconducting cables or lines	<administrative transfer to Y02E40/60>
D	Y02E40/66	2	Superconducting transformers or inductors	<administrative transfer to Y02E40/60>
D	Y02E40/67	2	Superconducting energy storage for power networks, e.g. SME, superconducting magnetic storage	<administrative transfer to Y02E40/60>
D	Y02E40/68	2	Protective or switching arrangements for superconducting elements or equipment	<administrative transfer to Y02E40/60>
D	Y02E40/69	2	Current limitation using superconducting elements, including multifunctional current limiters	<administrative transfer to Y02E40/60>
T	Y02E40/70	1	Smart grids as climate change mitigation technology in the energy generation sector	
D	Y02E40/72	2	Systems characterised by the monitoring, control or operation of energy generation units, e.g. distributed generation [DER] or load-side generation	<administrative transfer to Y02E40/70>
D	Y02E40/725	3	the energy generation units being or involving renewable energy sources	<administrative transfer to Y02E40/70>
D	Y02E40/74	2	Systems characterised by the monitoring, control or operation of flexible AC transmission systems [FACTS] or power factor or reactive power compensating or correcting units	<administrative transfer to Y02E40/70>
D	Y02E40/76	2	Computing methods or systems for efficient or low carbon management or operation of electric power systems	<administrative transfer to Y02E40/70>
U	Y02E50/00	0	Technologies for the production of fuel of non-fossil origin	
T	Y02E50/10	1	Biofuels, e.g. bio-diesel	
D	Y02E50/11	2	CHP turbines for biofeed	<administrative transfer to Y02E50/10>
D	Y02E50/12	2	Gas turbines for biofeed	<administrative transfer to Y02E50/10>
D	Y02E50/13	2	Bio-diesel	<administrative transfer to Y02E50/10>
D	Y02E50/14	2	Bio-pyrolysis	<administrative transfer to Y02E50/10>

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D	Y02E50/15	2	Torrefaction of biomass	<administrative transfer to Y02E50/10>
D	Y02E50/16	2	Cellulosic bio-ethanol	<administrative transfer to Y02E50/10>
D	Y02E50/17	2	Grain bio-ethanol	<administrative transfer to Y02E50/10>
D	Y02E50/18	2	Bio-alcohols produced by other means than fermentation	<administrative transfer to Y02E50/10>
T	Y02E50/30	1	Fuel from waste, e.g. synthetic alcohol or diesel	
D	Y02E50/32	2	Synthesis of alcohols or diesel from waste including a pyrolysis or gasification step	<administrative transfer to Y02E50/30>
D	Y02E50/34	2	Methane	<administrative transfer to Y02E50/30>
D	Y02E50/343	3	production by fermentation of organic by-products, e.g. sludge	<administrative transfer to Y02E50/30>
D	Y02E50/346	3	from landfill gas	<administrative transfer to Y02E50/30>
T	Y02E60/00	0	Enabling technologies; Technologies with a potential or indirect contribution to GHG emissions mitigation	
T	Y02E60/10	1	Energy storage using batteries	
D	Y02E60/12	2	Battery technologies with an indirect contribution to GHG emissions mitigation (battery technologies specific to electromobility Y02T10/7005)	<administrative transfer to Y02E60/10>
D	Y02E60/122	3	Lithium-ion batteries	<administrative transfer to Y02E60/10>
D	Y02E60/124	3	Alkaline secondary batteries, e.g. NiCd or NiMH	<administrative transfer to Y02E60/10>
D	Y02E60/126	3	Lead-acid batteries	<administrative transfer to Y02E60/10>
D	Y02E60/128	3	Hybrid cells composed of a half-cell of a fuel-cell type and a half-cell of the secondary-cell type	<administrative transfer to Y02E60/10>
T	Y02E60/13	1	Energy storage using capacitors	
T	Y02E60/14	1	Thermal energy storage	
D	Y02E60/142	3	Sensible heat storage	<administrative transfer to Y02E60/14>
D	Y02E60/145	3	Latent heat storage	<administrative transfer to Y02E60/14>
D	Y02E60/147	3	Cold storage	<administrative transfer to Y02E60/14>
D	Y02E60/15	2	Pressurised fluid storage	<administrative transfer to Y02E60/16>

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T	Y02E60/16	1	Mechanical energy storage, e.g. flywheels or pressurised fluids	
D	Y02E60/17	2	Pumped storage	<administrative transfer to Y02E60/16>
U	Y02E60/30	1	Hydrogen technology	
T	Y02E60/32	2	Hydrogen storage	
D	Y02E60/321	3	Storage of liquefied, solidified, or compressed hydrogen in containers	<administrative transfer to Y02E60/32>
D	Y02E60/322	3	Storage in caverns	<administrative transfer to Y02E60/32>
D	Y02E60/324	3	Reversible uptake of hydrogen by an appropriate medium	<administrative transfer to Y02E60/32>
D	Y02E60/325	4	the medium being carbon	<administrative transfer to Y02E60/32>
D	Y02E60/327	4	the medium being a metal or rare earth metal, an intermetallic compound or a metal alloy	<administrative transfer to Y02E60/32>
D	Y02E60/328	4	the medium being an organic compound or a solution thereof	<administrative transfer to Y02E60/32>
U	Y02E60/34	2	Hydrogen distribution	
T	Y02E60/36	2	Hydrogen production from non-carbon containing sources, e.g. by water electrolysis	
D	Y02E60/362	3	by chemical reaction with metal hydrides, e.g. hydrolysis of metal borohydrides	<administrative transfer to Y02E60/36>
D	Y02E60/364	3	by decomposition of inorganic compounds, e.g. splitting of water other than electrolysis, ammonia borane, ammonia	<administrative transfer to Y02E60/36>
D	Y02E60/366	3	by electrolysis of water	<administrative transfer to Y02E60/36>
D	Y02E60/368	4	by photo-electrolysis	<administrative transfer to Y02E60/36>
T	Y02E60/50	2	Fuel cells	
D	Y02E60/52	2	characterised by type or design	<administrative transfer to Y02E60/50>
D	Y02E60/521	3	Proton Exchange Membrane Fuel Cells [PEMFC]	<administrative transfer to Y02E60/50>
D	Y02E60/522	4	Direct Alcohol Fuel Cells [DAFC]	<administrative transfer to Y02E60/50>
D	Y02E60/523	5	Direct Methanol Fuel Cells [DMFC]	<administrative transfer to Y02E60/50>
D	Y02E60/525	3	Solid Oxide Fuel Cells [SOFC]	<administrative transfer to Y02E60/50>
D	Y02E60/526	3	Molten Carbonate Fuel Cells [MCFC]	<administrative transfer to Y02E60/50>

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
D	Y02E60/527	3	Bio Fuel Cells	<administrative transfer to Y02E60/50>
D	Y02E60/528	3	Regenerative or indirect fuel cells, e.g. redox flow type batteries	<administrative transfer to Y02E60/50>
D	Y02E60/56	2	integrally combined with other energy production systems	<administrative transfer to Y02E60/50>
D	Y02E60/563	3	Cogeneration of mechanical energy, e.g. integral combination of fuel cells and electric motors	<administrative transfer to Y02E60/50>
D	Y02E60/566	3	Production of chemical products inside the fuel cell; incomplete combustion	<administrative transfer to Y02E60/50>
M	Y02E60/60	1	Arrangements for transfer of electric power between AC networks or generators via a high voltage DC link [HVCD]	
D	Y02E60/70	1	Systems integrating technologies related to power network operation and communication or information technologies mediating in the improvement of the carbon footprint of electrical power generation, transmission or distribution, i.e. smart grids as enabling technology in the energy generation sector (smart grids relating to the energy generation sector in general, e.g. with no associated climate change mitigation effect Y04S10/00)	<administrative transfer to Y02E60/00>
D	Y02E60/72	2	Systems characterised by the monitored, controlled or operated power network elements or equipments	<administrative transfer to Y02E60/00>
D	Y02E60/721	3	the elements or equipments being or involving electric vehicles [EV] or hybrid vehicles [HEV], i.e. power aggregation of EV or HEV, vehicle to grid arrangements [V2G] (remote or cooperative charging Y02T90/168; details associated with the interoperability in the section of transportation, e.g. vehicle recognition, authentication, identification or billing Y02T90/169)	<administrative transfer to Y02E60/00>
D	Y02E60/722	3	the elements or equipments being or involving energy storage units (for systems comprising uninterruptible power supplies or standby generators Y04S20/12)	<administrative transfer to Y02E60/00>
D	Y02E60/723	3	the elements or equipments being or involving electric power substations	<administrative transfer to Y02E60/00>

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D	Y02E60/724	3	the elements or equipments being or involving switches, relays or circuit breakers, e.g. intelligent electronic devices [IED]	<administrative transfer to Y02E60/00>
D	Y02E60/725	3	the elements or equipments being or involving protection elements, arrangements or systems	<administrative transfer to Y02E60/00>
D	Y02E60/726	3	the elements or equipments being or involving voltage regulating units	<administrative transfer to Y02E60/00>
D	Y02E60/727	3	the elements or equipments being or involving measuring units	<administrative transfer to Y02E60/00>
D	Y02E60/728	4	the measuring units being or involving phasor measuring units [PMU]	<administrative transfer to Y02E60/00>
D	Y02E60/74	2	Systems characterised by state monitoring, e.g. fault, temperature monitoring, insulator monitoring, corona discharge	<administrative transfer to Y02E60/00>
D	Y02E60/76	2	Computer aided design [CAD]; Simulation; Modelling	<administrative transfer to Y02E60/00>
D	Y02E60/78	2	Communication technology specific aspects	<administrative transfer to Y02E60/00>
D	Y02E60/7807	3	characterised by data transport means between the monitoring, controlling or managing units and monitored, controlled or operated electrical equipment	<administrative transfer to Y02E60/00>
D	Y02E60/7815	4	using the power network as support for the transmission	<administrative transfer to Y02E60/00>
D	Y02E60/7823	5	using pulsed signals	<administrative transfer to Y02E60/00>
D	Y02E60/783	5	using modification of a parameter of the network power signal	<administrative transfer to Y02E60/00>
D	Y02E60/7838	4	using a wired telecommunication network or a data transmission bus	<administrative transfer to Y02E60/00>
D	Y02E60/7846	4	using phone lines	<administrative transfer to Y02E60/00>
D	Y02E60/7853	4	using wireless data transmission	<administrative transfer to Y02E60/00>
D	Y02E60/7861	5	By means of mobile telephony	<administrative transfer to Y02E60/00>
D	Y02E60/7869	4	involving the use of Internet protocol	<administrative transfer to Y02E60/00>
D	Y02E60/7876	3	Communication technology specific aspects	<administrative transfer to Y02E60/00>
D	Y02E60/7884	4	using dedicated transmission supports	<administrative transfer to Y02E60/00>
D	Y02E60/7892	4	using the power network as support for the transmission	<administrative transfer to Y02E60/00>

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<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>
U	Y02E70/00	0	Other energy conversion or management systems reducing GHG emissions	
D	Y02E70/10	1	Hydrogen from electrolysis with energy of non-fossil origin, e.g. PV, wind power, nuclear	<administrative transfer to Y02E60/36>
D	Y02E70/20	1	Systems combining fuel cells with production of fuel of non-fossil origin	<administrative transfer to Y02E60/50>
U	Y02E70/30	1	Systems combining energy storage with energy generation of non-fossil origin	
D	Y02E70/40	1	Energy efficient batteries, ultracapacitors, supercapacitors or double-layer capacitors charging or discharging systems or methods, e.g. auxiliary power consumption reduction, resonant chargers or dischargers, resistive losses minimisation	<administrative transfer to Y02E60/10 and Y02E60/13 simultaneously>

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SUBCLASS Y02P - CLIMATE CHANGE MITIGATION TECHNOLOGIES IN THE PRODUCTION OR PROCESSING OF GOODS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
U	Y02P10/00	0	Technologies related to metal processing	
T	Y02P10/10	1	Reduction of greenhouse gas [GHG] emissions	
D	Y02P10/12	2	CO ₂	<administrative transfer to Y02P10/10>
T	Y02P10/122	2	by capturing or storing CO ₂	
D	Y02P10/124	4	Recycling of CO ₂ -rich gas	<administrative transfer to Y02P10/122>
D	Y02P10/126	4	Recycling of CO ₂ -lean gas	<administrative transfer to Y02P10/122>
D	Y02P10/128	4	Oxycombustion	<administrative transfer to Y02P10/122>
D	Y02P10/13	4	Post-combustion	<administrative transfer to Y02P10/122>
D	Y02P10/132	4	CO ₂ storage	<administrative transfer to Y02P10/122>
T	Y02P10/134	2	by avoiding CO ₂ , e.g. using hydrogen	
D	Y02P10/136	4	using hydrogen, e.g. H ₂	<administrative transfer to Y02P10/134>
D	Y02P10/138	4	Electrolysis	<administrative transfer to Y02P10/134>
D	Y02P10/14	2	Greenhouse gases [GHG] other than CO ₂	<administrative transfer to Y02P10/10>
M	Y02P10/143	2	of methane [CH ₄]	
M	Y02P10/146	2	Perfluorocarbons [PFC]; Hydrofluorocarbons [HFC]; Sulfur hexafluoride [SF ₆]	
T	Y02P10/20	1	Recycling	
D	Y02P10/21	2	by recovering materials	<administrative transfer to Y02P10/20>
D	Y02P10/212	3	Recovering metals from waste	<administrative transfer to Y02P10/20>
D	Y02P10/214	4	by pyro metallurgy	<administrative transfer to Y02P10/20>
D	Y02P10/216	5	of Fe	<administrative transfer to Y02P10/20>
D	Y02P10/218	5	of Al	<administrative transfer to Y02P10/20>
D	Y02P10/22	5	of Cu	<administrative transfer to Y02P10/20>
D	Y02P10/224	5	of Co or Ni	<administrative transfer to Y02P10/20>

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D	Y02P10/226	5	of Mg	<administrative transfer to Y02P10/20>
D	Y02P10/228	5	of Sn	<administrative transfer to Y02P10/20>
D	Y02P10/23	5	of refractory metals	<administrative transfer to Y02P10/20>
D	Y02P10/232	5	of Zn or ZnO	<administrative transfer to Y02P10/20>
D	Y02P10/234	4	by hydro metallurgy	<administrative transfer to Y02P10/20>
D	Y02P10/236	5	of Cu	<administrative transfer to Y02P10/20>
D	Y02P10/238	4	by means other than pyro metallurgy or hydro metallurgy	<administrative transfer to Y02P10/20>
D	Y02P10/24	5	powder metallurgy	<administrative transfer to Y02P10/20>
D	Y02P10/242	3	Slag reuse in metallurgical processes	<administrative transfer to Y02P10/20>
T	Y02P10/25	1	Process efficiency	
D	Y02P10/253	3	using induction furnaces	<administrative transfer to Y02P10/25>
D	Y02P10/256	3	Design or operational measures for increasing the efficiency of electric conversion	<administrative transfer to Y02P10/25>
D	Y02P10/259	4	in electric arc furnaces	<administrative transfer to Y02P10/25>
D	Y02P10/262	4	in electrolytic cells	<administrative transfer to Y02P10/25>
D	Y02P10/265	3	by heat recovery	<administrative transfer to Y02P10/25>
D	Y02P10/268	4	with by-product gas in energy cycle	<administrative transfer to Y02P10/25>
D	Y02P10/271	5	low temperature heat recovery	<administrative transfer to Y02P10/25>
D	Y02P10/274	5	medium temperature heat recovery	<administrative transfer to Y02P10/25>
D	Y02P10/277	5	high temperature heat recovery	<administrative transfer to Y02P10/25>
D	Y02P10/28	4	using by-product gases	<administrative transfer to Y02P10/25>
D	Y02P10/283	4	using water, e.g. for cooling	<administrative transfer to Y02P10/25>
D	Y02P10/286	3	by process control or by modelling	<administrative transfer to Y02P10/25>
D	Y02P10/29	3	Additive manufacturing	<administrative transfer to Y02P10/25>

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D	Y02P10/292	4	of casting moulds	<administrative transfer to Y02P10/25>
D	Y02P10/295	4	of metals	<administrative transfer to Y02P10/25>
D	Y02P10/30	2	characterised by the energy source	<administrative transfer to Y02P10/25>
T	Y02P10/32	1	using renewable energy sources	
D	Y02P10/34	3	Cogeneration with other industries	<administrative transfer to Y02P10/32>
T	Y02P20/00	0	Technologies relating to chemical industry	
T	Y02P20/10	1	Process efficiency	
D	Y02P20/12	2	Energy input	<administrative transfer to Y02P20/10>
D	Y02P20/121	3	Energy efficiency measures, e.g. energy management	<administrative transfer to Y02P20/10>
D	Y02P20/122	4	characterised by the type of apparatus	<administrative transfer to Y02P20/10>
D	Y02P20/123	5	Motor systems	<administrative transfer to Y02P20/10>
D	Y02P20/124	5	Boilers, furnaces, lighting or vacuum systems	<administrative transfer to Y02P20/10>
D	Y02P20/125	4	Process integration	<administrative transfer to Y02P20/10>
D	Y02P20/126	4	Membrane separation	<administrative transfer to Y02P20/10>
D	Y02P20/127	4	Reactive distillation	<administrative transfer to Y02P20/10>
D	Y02P20/128	3	Alternative fuel sources, e.g. for process heat or steam	<administrative transfer to Y02P20/10>
T	Y02P20/129	2	Energy recovery, e.g. by cogeneration, H ₂ recovery or pressure recovery turbines	
D	Y02P20/13	4	Cogeneration	<administrative transfer to Y02P20/129>
D	Y02P20/131	4	Pressure recovery turbines	<administrative transfer to Y02P20/129>
D	Y02P20/132	4	H ₂ recovery	<administrative transfer to Y02P20/129>
T	Y02P20/133	2	Renewable energy sources, e.g. sunlight	
D	Y02P20/134	4	Sunlight	<administrative transfer to Y02P20/133>
D	Y02P20/135	5	Photoelectrochemical processes	<administrative transfer to Y02P20/133>
D	Y02P20/136	4	of biological origin, e.g. biomass, biofuels, biogas	<administrative transfer to Y02P20/133>
D	Y02P20/14	2	Reagents; Educts; Products	<administrative transfer to Y02P20/00>

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T	Y02P20/141	1	Feedstock	
D	Y02P20/142	4	the feedstock being CO ₂	<administrative transfer to Y02P20/141>
T	Y02P20/143	2	the feedstock being recycled material, e.g. plastics	
D	Y02P20/144	5	to generate syngas, i.e. H ₂ + CO	<administrative transfer to Y02P20/143>
M	Y02P20/145	2	the feedstock being materials of biological origin	
D	Y02P20/146	3	Changing the product type or product distribution	<administrative transfer to Y02P20/00>
D	Y02P20/147	3	Using materials efficiently	<administrative transfer to Y02P20/141>
D	Y02P20/148	4	Recycling	<administrative transfer to Y02P20/143>
D	Y02P20/149	4	Reduced process losses	<administrative transfer to Y02P20/141>
D	Y02P20/15	4	Reduced transportation losses	<administrative transfer to Y02P20/141>
T	Y02P20/151	1	Reduction of greenhouse gas [GHG] emissions, e.g. CO ₂	
D	Y02P20/152	4	CO ₂	<administrative transfer to Y02P20/151>
D	Y02P20/153	4	N ₂ O	<administrative transfer to Y02P20/151>
D	Y02P20/154	4	Halogenated hydrocarbons	<administrative transfer to Y02P20/151>
M	Y02P20/155	2	Perfluorocarbons [PFC]; Hydrofluorocarbons [HFC]; Hydrochlorofluorocarbons [HCFC]; Chlorofluorocarbons [CFC]	
M	Y02P20/156	2	Methane [CH ₄]	
T	Y02P20/20	1	Improvements relating to chlorine production	
D	Y02P20/22	2	Optimization of Deacon process	<administrative transfer to Y02P20/20>
D	Y02P20/224	3	by process design	<administrative transfer to Y02P20/20>
D	Y02P20/228	3	by improving the materials, e.g. gauze composition or structure	<administrative transfer to Y02P20/20>
T	Y02P20/30	1	Improvements relating to adipic acid or caprolactam production	
D	Y02P20/32	2	Technologies aiming at reducing N ₂ O emissions	<administrative transfer to Y02P20/30>
D	Y02P20/324	3	by thermal destruction of N ₂ O	<administrative transfer to Y02P20/30>

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D	Y02P20/328	3	by catalytic reduction of N ₂ O	<administrative transfer to Y02P20/30>
T	Y02P20/40	1	Improvements relating to fluorochloro hydrocarbon, e.g. chlorodifluoromethane [HCFC-22] production	
D	Y02P20/42	2	Reducing fluoroform [HFC-23] emissions	<administrative transfer to Y02P20/40>
D	Y02P20/424	3	by capture and subsequent thermal oxidation	<administrative transfer to Y02P20/40>
T	Y02P20/50	1	Improvements relating to the production of bulk chemicals	
D	Y02P20/51	2	Bulk chemicals	<administrative transfer to Y02P20/50>
D	Y02P20/514	3	Aldehydes; Alcohols	<administrative transfer to Y02P20/50>
D	Y02P20/518	3	Hydrocyanation products, e.g. adipodinitrile	<administrative transfer to Y02P20/50>
U	Y02P20/52	2	using catalysts, e.g. selective catalysts	
T	Y02P20/54	2	using solvents, e.g. supercritical solvents or ionic liquids	
D	Y02P20/542	3	the solvent being an ionic liquid	<administrative transfer to Y02P20/54>
D	Y02P20/544	3	Supercritical solvents, e.g. supercritical H ₂ O or CO ₂	<administrative transfer to Y02P20/54>
D	Y02P20/546	3	Mixtures of ionic liquids and supercritical solvents	<administrative transfer to Y02P20/54>
M	Y02P20/55	2	Design of synthesis routes, e.g. reducing the use of auxiliary or protecting groups	
D	Y02P20/57	2	Efficient separation techniques	<administrative transfer to Y02P20/50>
D	Y02P20/572	3	Membranes	<administrative transfer to Y02P20/50>
D	Y02P20/58	2	Recycling	<administrative transfer to Y02P20/50>
M	Y02P20/582	2	Recycling of unreacted starting or intermediate materials	
M	Y02P20/584	2	Recycling of catalysts	
D	Y02P20/586	3	of reagents, e.g. co-catalysts, adjuvants	<administrative transfer to Y02P20/50>
D	Y02P20/588	3	involving immobilised starting materials, reagents or catalysts	<administrative transfer to Y02P20/50>
U	Y02P20/59	2	Biological synthesis; Biological purification	
T	Y02P30/00	0	Technologies relating to oil refining and petrochemical industry	

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D	Y02P30/10	1	Reduction of greenhouse gas [GHG] emissions during production processes	<administrative transfer to Y02P30/00>
T	Y02P30/20	1	using bio-feedstock	
D	Y02P30/30	1	Carbon capture or storage [CCS] specific to hydrogen production	<administrative transfer to Y02P30/00>
T	Y02P30/40	1	Ethylene production	
D	Y02P30/42	2	using bio-feedstock	<administrative transfer to Y02P30/20 and Y02P30/40 simultaneously>
D	Y02P30/44	2	Cracking, e.g. steam cracking	<administrative transfer to Y02P30/40>
D	Y02P30/442	3	Furnace or cracking tube materials, e.g. chemical composition of the tubes; Controlling or regulating the tube furnaces	<administrative transfer to Y02P30/40>
D	Y02P30/444	3	Cogeneration using furnace exhaust	<administrative transfer to Y02P30/40>
D	Y02P30/446	3	Catalytic cracking	<administrative transfer to Y02P30/40>
D	Y02P30/46	2	Separation	<administrative transfer to Y02P30/40>
D	Y02P30/462	3	using low temperature distillation	<administrative transfer to Y02P30/40>
D	Y02P30/464	3	using absorption or adsorption techniques	<administrative transfer to Y02P30/40>
D	Y02P30/48	2	Compression	<administrative transfer to Y02P30/40>
T	Y02P40/00	0	Technologies relating to the processing of minerals	
T	Y02P40/10	1	Production of cement, e.g. improving or optimising the production methods; Cement grinding	
D	Y02P40/12	2	Clinker production	<administrative transfer to Y02P40/10>
T	Y02P40/121	2	Energy efficiency measures, e.g. improving or optimising the production methods	
D	Y02P40/123	4	Integrated production plants	<administrative transfer to Y02P40/121>
T	Y02P40/125	2	Fuels from renewable energy sources, e.g. waste or biomass	
D	Y02P40/126	4	Waste	<administrative transfer to Y02P40/125>
D	Y02P40/128	4	Biomass	<administrative transfer to Y02P40/125>
D	Y02P40/14	2	Reduction of clinker content in cement	<administrative transfer to Y02P40/10>

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D	Y02P40/141	3	Blended cements	<administrative transfer to Y02P40/10>
D	Y02P40/143	4	Clinker replacement by slag	<administrative transfer to Y02P40/10>
D	Y02P40/145	4	Clinker replacement by combustion residues	<administrative transfer to Y02P40/10>
D	Y02P40/146	4	Clinker replacement by ground limestone	<administrative transfer to Y02P40/10>
D	Y02P40/148	3	Belite cements	<administrative transfer to Y02P40/10>
D	Y02P40/16	2	Non-limestone based cements, e.g. alkali-activated cements	<administrative transfer to Y02P40/10>
D	Y02P40/165	3	Geopolymers	<administrative transfer to Y02P40/10>
U	Y02P40/18	2	Carbon capture and storage [CCS]	
D	Y02P40/20	1	Cement grinding	<administrative transfer to Y02P40/10>
D	Y02P40/30	1	Manufacturing or processing of sand or stone	<administrative transfer to Y02P40/00>
T	Y02P40/40	1	Production or processing of lime, e.g. limestone regeneration of lime in pulp and sugar mills	
D	Y02P40/42	2	Limestone calcination	<administrative transfer to Y02P40/40>
D	Y02P40/44	2	Regeneration of lime in pulp and sugar mills	<administrative transfer to Y02P40/40>
U	Y02P40/45	2	using fuels from renewable energy sources	
D	Y02P40/47	2	Reduction of lime consumption, e.g. in sugar industry	<administrative transfer to Y02P40/40>
D	Y02P40/49	3	Limestone grinding	<administrative transfer to Y02P40/40>
T	Y02P40/50	1	Glass production, e.g. reusing waste heat during processing or shaping	
D	Y02P40/51	2	Producing or shaping of glass	<administrative transfer to Y02P40/50>
D	Y02P40/52	2	Use of cullet or other waste	<administrative transfer to Y02P40/50>
D	Y02P40/53	2	Reusing waste heat during processing or shaping	<administrative transfer to Y02P40/50>
D	Y02P40/535	3	Regenerative heating	<administrative transfer to Y02P40/50>
D	Y02P40/55	2	Oxy-fuel	<administrative transfer to Y02P40/50>
D	Y02P40/56	2	Batch or cullet pre-heating	<administrative transfer to Y02P40/50>

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M	Y02P40/57	2	Improving the yield, e-g- reduction of reject rates	
D	Y02P40/58	2	Fuels from renewable energy sources	<administrative transfer to Y02P40/50>
D	Y02P40/59	2	CO ₂ capture, e.g. for large oxy-fuel furnaces	<administrative transfer to Y02P40/50>
T	Y02P40/60	1	Production of ceramic materials or ceramic elements, e.g. substitution of clay or shale by alternative raw materials, e.g. ashes	
D	Y02P40/61	2	Manufacturing of materials for construction, e.g. beams, bricks or tiles	<administrative transfer to Y02P40/60>
D	Y02P40/615	3	Bricks made from lime and sand	<administrative transfer to Y02P40/60>
D	Y02P40/63	2	Improving processing, storage or transport systems	<administrative transfer to Y02P40/60>
D	Y02P40/65	2	Improving kilns	<administrative transfer to Y02P40/60>
D	Y02P40/67	2	Fuels from renewable energy sources	<administrative transfer to Y02P40/60>
D	Y02P40/69	2	Substitution of clay or shale by alternative raw materials, e.g. ashes	<administrative transfer to Y02P40/60>
T	Y02P60/00	0	Technologies relating to agriculture, livestock or agroalimentary industries	
D	Y02P60/10	1	Agricultural machinery or equipment	<administrative transfer to Y02P60/00>
T	Y02P60/12	1	using renewable energies, e.g. solar water pumping	
D	Y02P60/122	3	for irrigation, e.g. solar water pumping	<administrative transfer to Y02P60/12>
D	Y02P60/124	3	Collecting solar energy in greenhouses	<administrative transfer to Y02P60/12>
T	Y02P60/14	1	Measures for saving energy, e.g. in green houses	
D	Y02P60/141	3	in irrigation, i.e. motor control	<administrative transfer to Y02P60/14>
D	Y02P60/142	3	Reduction of fuel consumption	<administrative transfer to Y02P60/14>
D	Y02P60/144	3	Combined machines, e.g. seeder combined with fertilizers	<administrative transfer to Y02P60/14>
D	Y02P60/146	3	in greenhouses	<administrative transfer to Y02P60/14>
D	Y02P60/147	4	Heating, ventilation or air conditioning	<administrative transfer to Y02P60/14>
D	Y02P60/148	4	Constructive measures, e.g. light structures or improved insulation	<administrative transfer to Y02P60/14>

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
D	Y02P60/149	4	Efficient lighting, e.g. LED lighting	<administrative transfer to Y02P60/14>
D	Y02P60/15	3	in preparing or milling grain	<administrative transfer to Y02P60/14>
D	Y02P60/16	2	Machines for direct seeding, i.e. sod or grassland seeding	<administrative transfer to Y02P60/00>
D	Y02P60/18	2	Activities not otherwise provided for, e.g. storage	<administrative transfer to Y02P60/00>
T	Y02P60/20	1	Reduction of greenhouse gas [GHG] emissions in agriculture , e.g. CO ₂	
T	Y02P60/21	2	Dinitrogen oxide [N ₂ O], e.g. using aquaponics, hydroponics or efficiency measures	
D	Y02P60/212	3	Reducing the use of fertilizers	<administrative transfer to Y02P60/21>
D	Y02P60/214	4	Efficient applying machines	<administrative transfer to Y02P60/21>
D	Y02P60/215	4	Efficient spraying methods	<administrative transfer to Y02P60/21>
D	Y02P60/216	4	Aquaponics or hydroponics	<administrative transfer to Y02P60/21>
D	Y02P60/218	3	use of additives, e.g. nitrification inhibitors, biochar	<administrative transfer to Y02P60/21>
T	Y02P60/22	2	Methane [CH ₄], e.g. from rice paddies	
D	Y02P60/23	2	Reduction of CO ₂ emissions from biota and soils	<administrative transfer to Y02P60/20>
D	Y02P60/24	2	Enhancing carbon sequestration in biota and soils	<administrative transfer to Y02P60/20>
D	Y02P60/242	3	Roof greening	<administrative transfer to Y02P60/20>
D	Y02P60/244	3	Wall greening	<administrative transfer to Y02P60/20>
D	Y02P60/246	3	Use of plant growth regulators to improve carbon dioxide up-take by crop plants	<administrative transfer to Y02P60/20>
D	Y02P60/247	3	Plants with high carbon sequestration potential	<administrative transfer to Y02P60/20>
D	Y02P60/25	2	Biomass with low greenhouse gas [GHG] emissions	<administrative transfer to Y02P60/20>
U	Y02P60/30	1	Land use policy measures	
U	Y02P60/40	1	Afforestation or reforestation	
T	Y02P60/50	1	Livestock or poultry management	
T	Y02P60/52	2	use of renewable energies	
D	Y02P60/521	3	Solar lighting, e.g. for poultry	<administrative transfer to Y02P60/52>
D	Y02P60/524	3	for pumping or supplying water to livestock	<administrative transfer to Y02P60/52>

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D	Y02P60/526	3	for electric energy supply	<administrative transfer to Y02P60/52>
D	Y02P60/528	4	for electric livestock fences	<administrative transfer to Y02P60/52>
D	Y02P60/54	2	Environmental control in livestock or poultry housing	<administrative transfer to Y02P60/50>
D	Y02P60/542	3	using renewable energy	<administrative transfer to Y02P60/12>
D	Y02P60/56	2	Methane [CH ₄] capture	<administrative transfer to Y02P60/22>
T	Y02P60/60	1	Fishing; Aquaculture; Aquafarming	
D	Y02P60/62	2	Fishing equipment	<administrative transfer to Y02P60/60>
D	Y02P60/64	2	Aquaculture; Aquafarming	<administrative transfer to Y02P60/60>
D	Y02P60/642	3	combined with aquaponics or hydroponics	<administrative transfer to Y02P60/60>
D	Y02P60/70	1	Apiculture	<administrative transfer to Y02P60/00>
T	Y02P60/80	1	Food processing, e.g. use of renewable energies or variable speed drives in handling, conveying or stacking	
D	Y02P60/81	2	Use of renewable energies or variable speed drives in handling, conveying or stacking	<administrative transfer to Y02P60/12>
D	Y02P60/83	2	Warming or cooking	<administrative transfer to Y02P60/80>
D	Y02P60/831	3	using steam	<administrative transfer to Y02P60/80>
D	Y02P60/833	3	using microwave ovens	<administrative transfer to Y02P60/80>
D	Y02P60/835	3	by boiling	<administrative transfer to Y02P60/80>
T	Y02P60/85	2	Food storage or conservation, e.g. cooling or drying	
D	Y02P60/851	3	Cooling, refrigeration or freezing	<administrative transfer to Y02P60/85>
D	Y02P60/853	3	Drying	<administrative transfer to Y02P60/85>
D	Y02P60/855	3	Ice production, e.g. for conservation purposes	<administrative transfer to Y02P60/85>
T	Y02P60/87	2	Re-use of by-products of food processing for fodder production	
D	Y02P60/871	3	from molasses	<administrative transfer to Y02P60/87>

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D	Y02P60/873	3	from distillers' or brewers' waste	<administrative transfer to Y02P60/87>
D	Y02P60/875	3	from waste products of dairy plants	<administrative transfer to Y02P60/87>
D	Y02P60/877	3	from by-products of vegetal origin	<administrative transfer to Y02P60/87>
D	Y02P60/89	2	characterised by the product	<administrative transfer to Y02P60/87>
D	Y02P60/891	3	Dairy products	<administrative transfer to Y02P60/87>
U	Y02P70/00	0	Climate change mitigation technologies in the production process for final industrial or consumer products	
T	Y02P70/10	1	Greenhouse gas [GHG] capture, material saving, heat recovery or other energy efficient measures, e.g. motor control, characterised by manufacturing processes, e.g. for rolling metal or metal working	
D	Y02P70/12	2	related technologies for improving processes or machines for shaping products	<administrative transfer to Y02P70/10>
D	Y02P70/121	3	Machines for rolling metal, e.g. rolling mills	<administrative transfer to Y02P70/10>
D	Y02P70/123	4	Motor control	<administrative transfer to Y02P70/10>
D	Y02P70/125	4	Removing fumes from rolling mills	<administrative transfer to Y02P70/10>
D	Y02P70/127	4	using heat shields	<administrative transfer to Y02P70/10>
D	Y02P70/129	4	Heat recovery during rolling	<administrative transfer to Y02P70/10>
D	Y02P70/131	4	using liquid recovering devices	<administrative transfer to Y02P70/10>
D	Y02P70/133	5	for recovering coolants	<administrative transfer to Y02P70/10>
D	Y02P70/135	5	for recovering lubricants	<administrative transfer to Y02P70/10>
D	Y02P70/137	3	relating to forging, hammering, pressing or riveting	<administrative transfer to Y02P70/10>
D	Y02P70/139	3	relating to the manufacture or working of metal sheets or profiles	<administrative transfer to Y02P70/10>
D	Y02P70/141	3	relating to pressing processes or machines therefore	<administrative transfer to Y02P70/10>
D	Y02P70/143	4	Optimisation of energy consumption	<administrative transfer to Y02P70/10>
D	Y02P70/145	5	by control of drive motors	<administrative transfer to Y02P70/10>

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D	Y02P70/16	2	related technologies for metal working by removing or adding material	<administrative transfer to Y02P70/10>
D	Y02P70/161	3	Power management, e.g. limiting power to tools	<administrative transfer to Y02P70/10>
D	Y02P70/163	3	Power down for energy saving	<administrative transfer to Y02P70/10>
D	Y02P70/167	3	relating to the design or operation of machining centres or machine tools	<administrative transfer to Y02P70/10>
D	Y02P70/169	4	using minimal quantities of coolants or lubricants	<administrative transfer to Y02P70/10>
D	Y02P70/171	4	Devices or processes for removing and reusing chips	<administrative transfer to Y02P70/10>
D	Y02P70/173	4	Machine centres provided for turning, boring or milling	<administrative transfer to Y02P70/10>
D	Y02P70/175	3	relating to the design or operation of machines for dry cutting gears or toothed racks	<administrative transfer to Y02P70/10>
D	Y02P70/177	3	Grinding or polishing	<administrative transfer to Y02P70/10>
D	Y02P70/179	4	Treatment of used abrasive materials aiming at a further reuse	<administrative transfer to Y02P70/10>
D	Y02P70/181	3	relating to the design or operation of machines for soldering, welding or cutting by applying heat locally	<administrative transfer to Y02P70/10>
D	Y02P70/183	3	relating to the design or operation of machines for machines for sawing, cutting, perforating, punching or severing	<administrative transfer to Y02P70/10>
D	Y02P70/185	3	relating to the operation of machines combining different processes for working of metal	<administrative transfer to Y02P70/10>
D	Y02P70/187	3	relating to the design or operation of machines for working metal not otherwise provided for	<administrative transfer to Y02P70/10>
D	Y02P70/20	2	related technologies for printing, lining or stamping machines	<administrative transfer to Y02P70/10>
D	Y02P70/22	2	Technologies for working on wood, veneer or plywood	<administrative transfer to Y02P70/10>
D	Y02P70/24	2	related technologies for saving energy and raw materials during the production of paper or paper articles	<administrative transfer to Y02P70/10>
D	Y02P70/26	2	related technologies for working on or processing of plastics	<administrative transfer to Y02P70/10>
D	Y02P70/261	3	recovering energy or power from drive motors in injection moulding	<administrative transfer to Y02P70/10>
D	Y02P70/263	3	recovering energy or reusing materials in extrusion moulding	<administrative transfer to Y02P70/10>

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D	Y02P70/265	3	relating to blow moulding	<administrative transfer to Y02P70/10>
D	Y02P70/267	4	Means for recycling or reusing auxiliaries or materials	<administrative transfer to Y02P70/10>
D	Y02P70/269	4	reducing blowing fluid consumption	<administrative transfer to Y02P70/10>
D	Y02P70/271	5	by recycling blow fluid	<administrative transfer to Y02P70/10>
D	Y02P70/273	4	recycling reactive gas	<administrative transfer to Y02P70/10>
D	Y02P70/275	4	reusing heat	<administrative transfer to Y02P70/10>
D	Y02P70/277	3	relating to thermoforming	<administrative transfer to Y02P70/10>
D	Y02P70/279	4	Recycling or reuse of materials	<administrative transfer to Y02P70/10>
D	Y02P70/281	4	Reuse of pressure or vacuum	<administrative transfer to Y02P70/10>
D	Y02P70/30	2	related to technologies for conveying, packing or storing of goods or handling thin or filamentary material	<administrative transfer to Y02P70/10>
D	Y02P70/32	2	relating to mixing	<administrative transfer to Y02P70/10>
D	Y02P70/34	2	relating to separation, flotation or differential sedimentation	<administrative transfer to Y02P70/10>
D	Y02P70/36	2	Recycling or reuse of a liquid sprayed or atomised	<administrative transfer to Y02P70/10>
D	Y02P70/38	2	Apparatus or processes for applying liquids or other fluent materials	<administrative transfer to Y02P70/10>
D	Y02P70/40	2	Drying by removing liquid	<administrative transfer to Y02P70/10>
D	Y02P70/405	3	Drying with heating arrangements using waste heat	<administrative transfer to Y02P70/10>
T	Y02P70/50	1	Manufacturing or production processes characterised by the final manufactured product	
D	Y02P70/52	2	Manufacturing of products or systems for producing renewable energy	<administrative transfer to Y02P70/50>
D	Y02P70/521	3	Photovoltaic generators	<administrative transfer to Y02P70/50>
D	Y02P70/523	3	Wind turbines	<administrative transfer to Y02P70/50>
D	Y02P70/525	3	Hydropower turbines	<administrative transfer to Y02P70/50>
D	Y02P70/527	4	for tidal streams or dam-less hydropower, e.g. sea flood and ebb or stream current	<administrative transfer to Y02P70/50>

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
D	Y02P70/54	2	Manufacturing of lithium-ion, lead-acid or alkaline secondary batteries	<administrative transfer to Y02P70/50>
D	Y02P70/56	2	Manufacturing of fuel cells	<administrative transfer to Y02P70/50>
D	Y02P70/58	2	Greenhouse gas [GHG] capture, heat recovery or other energy efficient measures relating to manufacturing or assembling of vehicles, e.g. motor control	<administrative transfer to Y02P70/50>
D	Y02P70/585	3	Aircraft Eco design, i.e. taking into account the full life cycle of the aircraft including re-use, recyclability and disposal	<administrative transfer to Y02P70/50>
D	Y02P70/60	2	Greenhouse gas [GHG] capture, heat recovery or other energy efficient measures relating to production or assembly of electric or electronic components or products, e.g. motor control	<administrative transfer to Y02P70/50>
D	Y02P70/601	3	the product being a basic electric component or element, i.e. cables, resistors, capacitors, switches, connectors, relays or protections	<administrative transfer to Y02P70/50>
D	Y02P70/603	3	the product being a lighting component	<administrative transfer to Y02P70/50>
D	Y02P70/605	3	the product being a semiconductor or solid state device or parts thereof	<administrative transfer to Y02P70/50>
D	Y02P70/607	4	Manufacturing of electronic silicon based components	<administrative transfer to Y02P70/50>
D	Y02P70/609	3	the product being a dynamo-electric machine, i.e. electrical generators or motors	<administrative transfer to Y02P70/50>
D	Y02P70/611	3	the product being a printed circuit board [PCB]	<administrative transfer to Y02P70/50>
D	Y02P70/613	3	involving the assembly of several electronic elements	<administrative transfer to Y02P70/50>
T	Y02P70/62	2	related technologies for production or treatment of textile or flexible materials or products thereof, including footwear	
D	Y02P70/621	3	Production or treatment of artificial filaments or the like	<administrative transfer to Y02P70/62>
D	Y02P70/623	4	Energy efficient measures, e.g. motor control or heat recovery	<administrative transfer to Y02P70/62>
D	Y02P70/625	4	Recovery of starting material, waste material or solvents during the manufacturing process	<administrative transfer to Y02P70/62>
D	Y02P70/627	5	of cellulose, cellulose derivatives or proteins	<administrative transfer to Y02P70/62>
D	Y02P70/629	5	of synthetic polymers	<administrative transfer to Y02P70/62>

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D	Y02P70/631	3	Production or treatment of lace, e.g. knitting or braiding	<administrative transfer to Y02P70/62>
D	Y02P70/633	4	Saving materials	<administrative transfer to Y02P70/62>
D	Y02P70/635	4	Saving energy by reducing inertia of moving parts	<administrative transfer to Y02P70/62>
D	Y02P70/637	3	Treatment of textiles	<administrative transfer to Y02P70/62>
D	Y02P70/639	4	Energy efficient measures, e.g. motor control or heat recovery	<administrative transfer to Y02P70/62>
D	Y02P70/641	4	Recovery of solvents	<administrative transfer to Y02P70/62>
D	Y02P70/643	4	Treatment of textiles using a short bath ratio	<administrative transfer to Y02P70/62>
D	Y02P70/645	3	Manufacturing of wall or floor covering materials or the like	<administrative transfer to Y02P70/62>
D	Y02P70/647	4	Energy efficient measures, e.g. motor control or heat recovery	<administrative transfer to Y02P70/62>
D	Y02P70/649	4	using scraps or recycled materials	<administrative transfer to Y02P70/62>
D	Y02P70/651	5	the materials being particles	<administrative transfer to Y02P70/62>
D	Y02P70/653	3	Footwear made at least partially of recyclable material	<administrative transfer to Y02P70/62>
D	Y02P70/66	2	Greenhouse gas [GHG] capture, use of renewable energies, heat recovery or other energy efficient measures for manufacturing or preparation of tobacco products, e.g. motor control	<administrative transfer to Y02P70/50>
U	Y02P80/00	0	Climate change mitigation technologies for sector-wide applications	
T	Y02P80/10	1	Efficient use of energy, e.g. using compressed air or pressurized fluid as energy carrier	
D	Y02P80/11	2	of electric energy	<administrative transfer to Y02P80/10>
D	Y02P80/112	3	Power supplies with power electronics for efficient use of energy, e.g. power factor correction [PFC] or resonant converters	<administrative transfer to Y02P80/10>
D	Y02P80/114	3	Control systems or methods for efficient use of energy	<administrative transfer to Y02P80/10>
D	Y02P80/116	4	Electronic drive motor controls	<administrative transfer to Y02P80/10>
D	Y02P80/12	2	using compressed air as energy carrier, e.g. for pneumatic systems	<administrative transfer to Y02P80/10>

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D	Y02P80/13	2	using pressurized fluid as energy carrier, e.g. for hydraulic systems	<administrative transfer to Y02P80/10>
U	Y02P80/14	2	District level solutions, i.e. local energy networks	
T	Y02P80/15	2	On-site combined power, heat or cool generation or distribution, e.g. combined heat and power [CHP] supply	
D	Y02P80/152	3	for heat recovery	<administrative transfer to Y02P80/15>
D	Y02P80/154	3	for steam generation or distribution	<administrative transfer to Y02P80/15>
D	Y02P80/156	2	in fluid distribution systems	<administrative transfer to Y02P80/10>
D	Y02P80/158	3	Solar or wind-powered water pumping not specially adapted for irrigation	<administrative transfer to Y02P80/10>
T	Y02P80/20	1	using renewable energy	
D	Y02P80/21	2	Biomass as fuel	<administrative transfer to Y02P80/20>
D	Y02P80/22	2	Wind energy	<administrative transfer to Y02P80/20>
D	Y02P80/23	2	Solar energy	<administrative transfer to Y02P80/20>
D	Y02P80/24	3	Solar thermal energy	<administrative transfer to Y02P80/20>
D	Y02P80/25	3	Photovoltaic energy	<administrative transfer to Y02P80/20>
U	Y02P80/30	1	Reducing waste in manufacturing processes; Calculations of released waste quantities	
U	Y02P80/40	1	Minimising material used in manufacturing processes	
U	Y02P90/00	0	Enabling technologies with a potential contribution to greenhouse gas [GHG] emissions mitigation	
T	Y02P90/02	1	Total factory control, e.g. smart factories, flexible manufacturing systems [FMS] or integrated manufacturing systems [IMS]	
D	Y02P90/04	2	characterised by the assembly processes	<administrative transfer to Y02P90/02>
D	Y02P90/06	2	characterised by direct numerical control [DNC]	<administrative transfer to Y02P90/02>
D	Y02P90/08	2	characterised by the cooperation between machine tools, manipulators or work piece supply systems	<administrative transfer to Y02P90/02>
D	Y02P90/083	3	Manipulators cooperating with conveyors	<administrative transfer to Y02P90/02>

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D	Y02P90/087	3	Manipulators cooperating with machine tools	<administrative transfer to Y02P90/02>
D	Y02P90/10	2	characterised by identification, e.g. of work pieces or equipment	<administrative transfer to Y02P90/02>
D	Y02P90/12	2	characterised by programme execution	<administrative transfer to Y02P90/02>
D	Y02P90/14	2	characterised by fault tolerance, reliability of production system	<administrative transfer to Y02P90/02>
D	Y02P90/16	2	characterised by system universality, i.e. configurability or modularity of production units	<administrative transfer to Y02P90/02>
D	Y02P90/18	2	characterised by the network communication	<administrative transfer to Y02P90/02>
D	Y02P90/185	3	using local area networks [LAN]	<administrative transfer to Y02P90/02>
D	Y02P90/20	2	characterised by job scheduling, process planning or material flow	<administrative transfer to Y02P90/02>
D	Y02P90/205	3	Tool management	<administrative transfer to Y02P90/02>
D	Y02P90/22	2	characterised by quality surveillance of production	<administrative transfer to Y02P90/02>
D	Y02P90/24	2	characterised by computer integrated manufacturing [CIM], planning or realisation	<administrative transfer to Y02P90/02>
D	Y02P90/26	2	characterised by modelling or simulation of the manufacturing system	<administrative transfer to Y02P90/02>
D	Y02P90/265	3	Product design therefor	<administrative transfer to Y02P90/02>
D	Y02P90/28	2	characterised by transport systems	<administrative transfer to Y02P90/02>
D	Y02P90/285	3	using automatic guided vehicles [AGV]	<administrative transfer to Y02P90/02>
U	Y02P90/30	1	Computing systems specially adapted for manufacturing	
U	Y02P90/40	1	Fuel cell technologies in production processes	
U	Y02P90/45	1	Hydrogen technologies in production processes	
U	Y02P90/50	1	Energy storage in industry with an added climate change mitigation effect	
U	Y02P90/60	1	Electric or hybrid propulsion means for production processes	
U	Y02P90/70	1	Combining sequestration of CO ₂ and exploitation of hydrocarbons by injecting CO ₂ or carbonated water in oil wells	
T	Y02P90/80	1	Management or planning	

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U	Y02P90/82	2	Energy audits or management systems therefor	
U	Y02P90/84	2	Greenhouse gas [GHG] management systems	
U	Y02P90/845	3	Inventory and reporting systems for greenhouse gases [GHG]	
D	Y02P90/86	2	Maintenance planning	<administrative transfer to Y02P90/80>
U	Y02P90/90	1	Financial instruments for climate change mitigation, e.g. environmental taxes, subsidies or financing	
U	Y02P90/95	2	CO ₂ emission certificates or credits trading	

SUBCLASS Y02T CLIMATE CHANGE MITIGATION TECHNOLOGIES RELATED TO TRANSPORTATION

<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>
U	Y02T10/00	0	Road transport of goods or passengers	
U	Y02T10/10	1	Internal combustion engine [ICE] based vehicles	
T	Y02T10/12	2	Improving ICE efficiencies	
D	Y02T10/121	3	Adding non fuel substances or small quantities of secondary fuel to fuel, air or fuel/air mixture	<administrative transfer to Y02T10/12>
D	Y02T10/123	3	Fuel injection	<administrative transfer to Y02T10/12>
D	Y02T10/125	3	Combustion chambers and charge mixing enhancing inside the combustion chamber	<administrative transfer to Y02T10/12>
D	Y02T10/126	3	Acting upon fuel or oxidizing compound, e.g. pre-treatment by catalysts, ultrasound or electricity	<administrative transfer to Y02T10/12>
D	Y02T10/128	3	Methods of operating, e.g. homogeneous charge compression ignition [HCCI], premixed charge compression ignition [PCCI]	<administrative transfer to Y02T10/12>
D	Y02T10/14	2	Technologies for the improvement of mechanical efficiency of a conventional ICE	<administrative transfer to Y02T10/12>

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
D	Y02T10/142	3	Methods of operating, e.g. Atkinson cycle, Ericsson	<administrative transfer to Y02T10/12>
D	Y02T10/144	3	Non naturally aspirated engines, e.g. turbocharging, supercharging	<administrative transfer to Y02T10/12>
D	Y02T10/146	3	Charge mixing enhancing outside the combustion chamber	<administrative transfer to Y02T10/12>
D	Y02T10/148	3	Downsizing or downspeeding	<administrative transfer to Y02T10/12>
D	Y02T10/16	2	Energy recuperation from low temperature heat sources of the ICE to produce additional power	<administrative transfer to Y02T10/12>
D	Y02T10/163	3	Turbocompound engines	<administrative transfer to Y02T10/12>
D	Y02T10/166	3	Waste heat recovering cycles or thermoelectric systems	<administrative transfer to Y02T10/12>
D	Y02T10/17	2	Non-reciprocating piston engines, e.g. rotating motors	<administrative transfer to Y02T10/12>
D	Y02T10/18	2	Varying inlet or exhaust valve operating characteristics	<administrative transfer to Y02T10/12>
D	Y02T10/20	2	Exhaust after-treatment	<administrative transfer to Y02T10/12>
D	Y02T10/22	3	Three way catalyst technology, i.e. oxidation or reduction at stoichiometric equivalence ratio	<administrative transfer to Y02T10/12>
D	Y02T10/24	3	Selective Catalytic Reactors for reduction in oxygen rich atmosphere	<administrative transfer to Y02T10/12>
D	Y02T10/26	3	Thermal conditioning of exhaust after-treatment	<administrative transfer to Y02T10/12>
T	Y02T10/30	2	Use of alternative fuels, e.g. biofuels	
D	Y02T10/32	3	Gaseous fuels	<administrative transfer to Y02T10/30>
D	Y02T10/34	3	Non-gaseous fuels	<administrative transfer to Y02T10/30>
D	Y02T10/36	3	Multiple fuels, e.g. multi fuel engines	<administrative transfer to Y02T10/30>
T	Y02T10/40	2	Engine management systems	
D	Y02T10/42	3	controlling air supply	<administrative transfer to Y02T10/40>
D	Y02T10/44	3	controlling fuel supply	<administrative transfer to Y02T10/40>
D	Y02T10/46	3	controlling ignition	<administrative transfer to Y02T10/40>
D	Y02T10/47	3	Exhaust feedback	<administrative transfer to Y02T10/40>
D	Y02T10/48	3	Switching off the internal combustion engine, e.g. stop and go	<administrative transfer to Y02T10/40>

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D	Y02T10/50	2	Intelligent control systems, e.g. conjoint control	<administrative transfer to Y02T10/40>
D	Y02T10/52	3	relating to internal combustion engine fuel consumption	<administrative transfer to Y02T10/40>
D	Y02T10/54	3	relating to internal combustion engine emissions	<administrative transfer to Y02T10/40>
D	Y02T10/56	3	Optimising drivetrain operating point	<administrative transfer to Y02T10/40>
T	Y02T10/60	1	Other road transportation technologies with climate change mitigation effect	
T	Y02T10/62	2	Hybrid vehicles	
D	Y02T10/6204	3	using ICE and mechanical energy storage, e.g. flywheel (mechanical storage units for electromobility in general Y02T10/7027)	<administrative transfer to Y02T10/62>
D	Y02T10/6208	3	using ICE and fluidic energy storage, e.g. pressure accumulator	<administrative transfer to Y02T10/62>
D	Y02T10/6213	3	using ICE and electric energy storage, i.e. battery, capacitor (battery for energy storage for electromobility in general Y02T10/7005; capacitor technology for energy storage for electromobility in general Y02T10/7022)	<administrative transfer to Y02T10/62>
D	Y02T10/6217	4	of the series type or range extenders	<administrative transfer to Y02T10/62>
D	Y02T10/6221	4	of the parallel type	<administrative transfer to Y02T10/62>
D	Y02T10/6226	5	Motor-assist type	<administrative transfer to Y02T10/62>
D	Y02T10/623	4	of the series-parallel type	<administrative transfer to Y02T10/62>
D	Y02T10/6234	5	Series-parallel switching type	<administrative transfer to Y02T10/62>
D	Y02T10/6239	5	Differential gearing distribution type	<administrative transfer to Y02T10/62>
D	Y02T10/6243	5	Electrical distribution type	<administrative transfer to Y02T10/62>
D	Y02T10/6247	4	with motor integrated into gearbox	<administrative transfer to Y02T10/62>
D	Y02T10/6252	5	connected or connectable to input shaft of gearing	<administrative transfer to Y02T10/62>
D	Y02T10/6256	5	connected or connectable to intermediate shaft of gearing	<administrative transfer to Y02T10/62>
D	Y02T10/626	5	Motor between output shaft of gearing and driven wheels	<administrative transfer to Y02T10/62>
D	Y02T10/6265	4	Driving a plurality of axles	<administrative transfer to Y02T10/62>

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D	Y02T10/6269	4	provided with means for plug-in	<administrative transfer to Y02T10/62>
D	Y02T10/6273	3	Combining different types of energy storage	<administrative transfer to Y02T10/62>
D	Y02T10/6278	4	Battery and capacitor	<administrative transfer to Y02T10/62>
D	Y02T10/6282	4	Battery and mechanical or fluidic energy storage	<administrative transfer to Y02T10/62>
D	Y02T10/6286	3	Control systems for power distribution between ICE and other motor or motors	<administrative transfer to Y02T10/62>
D	Y02T10/6291	4	Predicting future driving conditions	<administrative transfer to Y02T10/62>
D	Y02T10/6295	3	Other types of combustion engine	<administrative transfer to Y02T10/62>
T	Y02T10/64	2	Electric machine technologies in electromobility	
D	Y02T10/641	3	characterised by aspects of the electric machine	<administrative transfer to Y02T10/64>
D	Y02T10/642	3	Control strategies of electric machines for automotive applications	<administrative transfer to Y02T10/64>
D	Y02T10/643	4	Vector control	<administrative transfer to Y02T10/64>
D	Y02T10/644	4	Control strategies for ac machines other than vector control	<administrative transfer to Y02T10/64>
D	Y02T10/645	4	Control strategies for dc machines	<administrative transfer to Y02T10/64>
D	Y02T10/646	4	With two or more electric drive machines	<administrative transfer to Y02T10/64>
T	Y02T10/70	2	Energy storage systems for electromobility, e.g. batteries	
D	Y02T10/7005	3	Batteries	<administrative transfer to Y02T10/70>
D	Y02T10/7011	4	Lithium ion battery	<administrative transfer to Y02T10/70>
D	Y02T10/7016	4	Lead acid battery	<administrative transfer to Y02T10/70>
D	Y02T10/7022	3	Capacitors, supercapacitors or ultracapacitors	<administrative transfer to Y02T10/70>
D	Y02T10/7027	3	Mechanical energy storage devices	<administrative transfer to Y02T10/70>
D	Y02T10/7033	4	Fly wheels	<administrative transfer to Y02T10/70>
D	Y02T10/7038	3	Energy storage management	<administrative transfer to Y02T10/70>
D	Y02T10/7044	4	Controlling the battery or capacitor state of charge	<administrative transfer to Y02T10/70>

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D	Y02T10/705	4	Controlling vehicles with one battery or one capacitor only	<administrative transfer to Y02T10/70>
D	Y02T10/7055	4	Controlling vehicles with more than one battery or more than one capacitor	<administrative transfer to Y02T10/70>
D	Y02T10/7061	5	the batteries or capacitors being of the same voltage	<administrative transfer to Y02T10/70>
D	Y02T10/7066	5	the batteries or capacitors being of a different voltage	<administrative transfer to Y02T10/70>
T	Y02T10/7072	2	Electromobility specific charging systems or methods for batteries, ultracapacitors, supercapacitors or double-layer capacitors	
D	Y02T10/7077	4	on board the vehicle	<administrative transfer to Y02T10/7072>
D	Y02T10/7083	5	with the energy being of renewable origin	<administrative transfer to Y02T10/7072>
D	Y02T10/7088	4	Charging stations	<administrative transfer to Y02T10/7072>
D	Y02T10/7094	5	with the energy being of renewable origin	<administrative transfer to Y02T10/7072>
T	Y02T10/72	2	Electric energy management in electromobility	
D	Y02T10/7208	3	Electric power conversion within the vehicle	<administrative transfer to Y02T10/72>
D	Y02T10/7216	4	DC to DC power conversion	<administrative transfer to Y02T10/72>
D	Y02T10/7225	5	Using step - up or boost converters	<administrative transfer to Y02T10/72>
D	Y02T10/7233	5	Using step - down or buck converters	<administrative transfer to Y02T10/72>
D	Y02T10/7241	4	DC to AC or AC to DC power conversion	<administrative transfer to Y02T10/72>
D	Y02T10/725	4	AC to AC power conversion	<administrative transfer to Y02T10/72>
D	Y02T10/7258	3	Optimisation of vehicle performance	<administrative transfer to Y02T10/72>
D	Y02T10/7275	4	Desired performance achievement	<administrative transfer to Y02T10/72>
D	Y02T10/7283	4	Optimisation of energy management	<administrative transfer to Y02T10/72>
D	Y02T10/7291	4	by route optimisation processing	<administrative transfer to Y02T10/72>
D	Y02T10/76	2	Transmission of mechanical power	<administrative transfer to Y02T10/60>
U	Y02T10/80	1	Technologies aiming to reduce greenhouse gasses emissions common to all road transportation technologies	

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U	Y02T10/82	2	Elements for improving aerodynamics	
U	Y02T10/84	2	Data processing systems or methods, management, administration	
T	Y02T10/86	2	Optimisation of rolling resistance, e.g. weight reduction	
D	Y02T10/862	3	Tyres, e.g. materials	<administrative transfer to Y02T10/86>
D	Y02T10/865	3	Bearings	<administrative transfer to Y02T10/86>
U	Y02T10/88	2	Optimized components or subsystems, e.g. lighting, actively controlled glasses	
U	Y02T10/90	2	Energy harvesting concepts as power supply for auxiliaries' energy consumption, e.g. photovoltaic sun-roof	
U	Y02T10/92	2	Energy efficient charging or discharging systems for batteries, ultracapacitors, supercapacitors or double-layer capacitors specially adapted for vehicles	
T	Y02T30/00	0	Transportation of goods or passengers via railways, e.g. energy recovery or reducing air resistance	
D	Y02T30/10	1	Energy recovery technologies concerning the propulsion system in locomotives or motor railcars	<administrative transfer to Y02T30/00>
D	Y02T30/12	2	In electric locomotives or motor railcars with electric accumulators, e.g. involving regenerative braking	<administrative transfer to Y02T30/00>
D	Y02T30/14	2	In locomotives or motor railcars with pneumatic accumulators	<administrative transfer to Y02T30/00>
D	Y02T30/16	2	In locomotives or motor railcars with two or different kinds or types of engine	<administrative transfer to Y02T30/00>
D	Y02T30/18	2	Specific power storing devices	<administrative transfer to Y02T30/00>
D	Y02T30/30	1	Other technological aspects of railway vehicles	<administrative transfer to Y02T30/00>
D	Y02T30/32	2	Reducing air resistance by modifying contour	<administrative transfer to Y02T30/00>
D	Y02T30/34	2	Composite; Lightweight materials	<administrative transfer to Y02T30/00>
D	Y02T30/36	2	Device for using the energy of the movements of the vehicle	<administrative transfer to Y02T30/00>
D	Y02T30/38	2	Bogie frames comprising parts made from fiber-reinforced matrix material	<administrative transfer to Y02T30/00>
D	Y02T30/40	2	Applications of solar cells or heat pipes, e.g. on ski-lift cabins or carriages for passengers or goods	<administrative transfer to Y02T30/00>

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D	Y02T30/42	2	concerning heating, ventilating or air conditioning	<administrative transfer to Y02T30/00>
U	Y02T50/00	0	Aeronautics or air transport	
T	Y02T50/10	1	Drag reduction	
D	Y02T50/12	2	Overall configuration, shape or profile of fuselage or wings	<administrative transfer to Y02T50/10>
D	Y02T50/14	2	Adaptive structures, e.g. morphing wings	<administrative transfer to Y02T50/10>
D	Y02T50/16	2	by influencing airflow	<administrative transfer to Y02T50/10>
D	Y02T50/162	3	by generating or controlling vortices	<administrative transfer to Y02T50/10>
D	Y02T50/164	4	at the wing tip, e.g. winglets	<administrative transfer to Y02T50/10>
D	Y02T50/166	3	by influencing the boundary layer	<administrative transfer to Y02T50/10>
T	Y02T50/30	1	Wing lift efficiency	
D	Y02T50/32	2	Optimised high lift wing systems	<administrative transfer to Y02T50/30>
D	Y02T50/34	2	Helicopter rotor blades lift efficiency	<administrative transfer to Y02T50/30>
T	Y02T50/40	1	Weight reduction	
D	Y02T50/42	2	Airframe	<administrative transfer to Y02T50/40>
D	Y02T50/43	3	Composites	<administrative transfer to Y02T50/40>
D	Y02T50/44	3	Design measures	<administrative transfer to Y02T50/40>
D	Y02T50/46	2	Interior	<administrative transfer to Y02T50/40>
T	Y02T50/50	1	On board measures aiming to increase energy efficiency	
D	Y02T50/52	2	concerning the electrical systems	<administrative transfer to Y02T50/50>
D	Y02T50/53	3	Energy recovery, conversion or storage systems	<administrative transfer to Y02T50/50>
D	Y02T50/54	3	All-electric or substantially electric architectures	<administrative transfer to Y02T50/50>
D	Y02T50/55	3	Solar cells as on-board power source	<administrative transfer to Y02T50/50>
D	Y02T50/56	2	Thermal management, e.g. environmental control systems [ECS] or cooling	<administrative transfer to Y02T50/50>
T	Y02T50/60	1	Efficient propulsion technologies, e.g. for aircraft	
D	Y02T50/62	2	Electrical	<administrative transfer to Y02T50/60>

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D	Y02T50/64	2	Hybrid	<administrative transfer to Y02T50/60>
D	Y02T50/66	2	Propellers	<administrative transfer to Y02T50/60>
D	Y02T50/67	2	Relevant aircraft propulsion technologies	<administrative transfer to Y02T50/60>
D	Y02T50/671	3	Measures to reduce the propulsor weight	<administrative transfer to Y02T50/60>
D	Y02T50/672	4	using composites	<administrative transfer to Y02T50/60>
D	Y02T50/673	3	Improving the blades aerodynamics	<administrative transfer to Y02T50/60>
D	Y02T50/675	3	Enabling an increased combustion temperature by cooling	<administrative transfer to Y02T50/60>
D	Y02T50/676	4	Blades cooling	<administrative transfer to Y02T50/60>
D	Y02T50/6765	3	Enabling an increased combustion temperature by thermal barrier coatings	<administrative transfer to Y02T50/60>
D	Y02T50/677	3	Controlling the propulsor to control the emissions	<administrative transfer to Y02T50/60>
M	Y02T50/678	2	Aviation using fuels of non-fossil origin	
T	Y02T50/80	1	Energy efficient operational measures, e.g. ground operations or mission management	
D	Y02T50/82	2	Related to ground operations	<administrative transfer to Y02T50/80>
D	Y02T50/823	3	Aircraft equipment, e.g. wheel embedded	<administrative transfer to Y02T50/80>
D	Y02T50/826	3	Towing equipment	<administrative transfer to Y02T50/80>
D	Y02T50/84	2	Related to management of trajectory and mission	<administrative transfer to Y02T50/80>
T	Y02T70/00	0	Maritime or waterways transport	
T	Y02T70/10	1	Measures concerning design or construction of watercraft hulls	
D	Y02T70/12	2	Improving hydrodynamics of hull	<administrative transfer to Y02T70/10>
D	Y02T70/121	3	Reducing surface friction	<administrative transfer to Y02T70/10>
D	Y02T70/122	4	Air lubrication, air cavity systems	<administrative transfer to Y02T70/10>
D	Y02T70/123	4	Hull coatings, e.g. biomimicry	<administrative transfer to Y02T70/10>
D	Y02T70/125	3	Lower wave resistance	<administrative transfer to Y02T70/10>
D	Y02T70/126	4	Bow shape	<administrative transfer to Y02T70/10>

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D	Y02T70/127	3	improving wake pattern	<administrative transfer to Y02T70/10>
D	Y02T70/128	4	reducing the interaction between hull and propeller	<administrative transfer to Y02T70/10>
D	Y02T70/14	2	Construction of hull	<administrative transfer to Y02T70/10>
D	Y02T70/143	3	Materials, e.g. ultra light steels, composites	<administrative transfer to Y02T70/10>
D	Y02T70/146	3	Energy efficient measures related to fabrication or assembly of hull	<administrative transfer to Y02T70/10>
D	Y02T70/30	1	Measures at the maintenance or repair stage specially aiming at green house gasses emissions reduction	<administrative transfer to Y02T70/00>
D	Y02T70/32	2	Surface or tank cleaning and treatment operations	<administrative transfer to Y02T70/00>
D	Y02T70/34	2	Improved operation of fossil fuel transfer, e.g. ship-to-ship oil or gas transfer	<administrative transfer to Y02T70/00>
D	Y02T70/36	2	Handling waste	<administrative transfer to Y02T70/00>
T	Y02T70/50	1	Measures to reduce greenhouse gas emissions related to the propulsion system	
D	Y02T70/52	2	Propulsion power plant	<administrative transfer to Y02T70/50>
D	Y02T70/5209	3	Relating to type of fuel	<administrative transfer to Y02T70/50>
M	Y02T70/5218	2	Less carbon-intensive fuels, e.g. natural gas, biofuels	
D	Y02T70/5227	4	Non-conventional fuels, e.g. nuclear	<administrative transfer to Y02T70/50>
T	Y02T70/5236	3	Renewable or hybrid-electric solutions	
D	Y02T70/5245	4	using solar generated electricity, e.g. photovoltaics	<administrative transfer to Y02T70/5236>
D	Y02T70/5254	4	using wind motor to generate electricity	<administrative transfer to Y02T70/5236>
D	Y02T70/5263	3	Other measures to increase efficiency of the power plant	<administrative transfer to Y02T70/50>
D	Y02T70/5272	4	Engine monitoring and control	<administrative transfer to Y02T70/50>
D	Y02T70/5281	4	Waste heat recovery	<administrative transfer to Y02T70/50>
D	Y02T70/529	4	Reducing auxiliary power	<administrative transfer to Y02T70/50>
D	Y02T70/54	2	Propeller	<administrative transfer to Y02T70/50>
D	Y02T70/542	3	Improved propeller design	<administrative transfer to Y02T70/50>

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D	Y02T70/545	3	Recovery of rotational energy	<administrative transfer to Y02T70/50>
D	Y02T70/547	3	Wake equalizing arrangements	<administrative transfer to Y02T70/50>
D	Y02T70/56	2	Jets	<administrative transfer to Y02T70/50>
D	Y02T70/58	2	Propulsion by direct use of wind	<administrative transfer to Y02T70/5236>
D	Y02T70/583	3	Energy efficient technologies involving sails	<administrative transfer to Y02T70/5236>
D	Y02T70/586	3	Kites	<administrative transfer to Y02T70/5236>
D	Y02T70/59	2	Other propulsion concepts for reducing greenhouse gas emissions, e.g. wave-powered	<administrative transfer to Y02T70/5236>
D	Y02T70/70	1	Technologies for a more efficient operation of the waterborne vessel not otherwise provided for	<administrative transfer to Y02T70/00>
D	Y02T70/72	2	Related to heating, ventilation, air conditioning, or refrigeration systems	<administrative transfer to Y02T70/00>
D	Y02T70/74	2	Integrating maritime voyage control	<administrative transfer to Y02T70/00>
D	Y02T70/742	3	Speed reduction	<administrative transfer to Y02T70/00>
D	Y02T70/745	3	Weather routing	<administrative transfer to Y02T70/00>
D	Y02T70/747	3	Course optimization	<administrative transfer to Y02T70/00>
D	Y02T70/80	1	Measures concerning recycling, retrofitting or dismantling of waterborne vessels	<administrative transfer to Y02T70/00>
D	Y02T70/90	1	Port equipment or systems reducing GHG emissions	<administrative transfer to Y02T70/00>
T	Y02T90/00	0	Enabling technologies or technologies with a potential or indirect contribution to GHG emissions mitigation	
M	Y02T90/10	1	Technologies relating to charging of electric vehicles	
T	Y02T90/12	2	Electric charging stations	
D	Y02T90/121	3	by conductive energy transmission	<administrative transfer to Y02T90/12>
D	Y02T90/122	3	by inductive energy transmission	<administrative transfer to Y02T90/12>
D	Y02T90/124	3	by exchange of energy storage elements	<administrative transfer to Y02T90/12>
D	Y02T90/125	3	Alignment between the vehicle and the charging station	<administrative transfer to Y02T90/12>

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D	Y02T90/127	3	Converters or inverters for charging	<administrative transfer to Y02T90/12>
D	Y02T90/128	3	Energy exchange control or determination	<administrative transfer to Y02T90/12>
U	Y02T90/14	2	Plug-in electric vehicles	
T	Y02T90/16	2	Information or communication technologies improving the operation of electric vehicles	
D	Y02T90/161	3	Navigation	<administrative transfer to Y02T90/16>
D	Y02T90/162	4	Position determination	<administrative transfer to Y02T90/16>
D	Y02T90/163	3	Information or communication technologies related to charging of electric vehicle	<administrative transfer to Y02T90/16>
T	Y02T90/167	3	Systems integrating technologies related to power network operation and communication or information technologies for supporting the interoperability of electric or hybrid vehicles, i.e. smartgrids as interface for battery charging of electric vehicles [EV] or hybrid vehicles [HEV]	
D	Y02T90/168	4	Remote or cooperative charging operation	<administrative transfer to Y02T90/167>
D	Y02T90/169	4	Aspects supporting the interoperability of electric or hybrid vehicles, e.g. recognition, authentication, identification or billing	<administrative transfer to Y02T90/167>
D	Y02T90/30	1	Application of fuel cell technology to transportation	<administrative transfer to Y02T90/40>
D	Y02T90/32	2	Fuel cells specially adapted to transport applications, e.g. automobile, bus, ship	<administrative transfer to Y02T90/40>
D	Y02T90/34	2	Fuel cell powered electric vehicles [FCEV]	<administrative transfer to Y02T90/40>
D	Y02T90/36	2	Fuel cells as on-board power source in aeronautics	<administrative transfer to Y02T90/40>
D	Y02T90/38	2	Fuel cells as on-board power source in waterborne transportation	<administrative transfer to Y02T90/40>
T	Y02T90/40	1	Application of hydrogen technology to transportation, e.g. using fuel cells	
D	Y02T90/42	2	Hydrogen as fuel for road transportation	<administrative transfer to Y02T90/40>
D	Y02T90/44	2	Hydrogen as fuel in aeronautics	<administrative transfer to Y02T90/40>
D	Y02T90/46	2	Hydrogen as fuel in waterborne transportation	<administrative transfer to Y02T90/40>

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D	Y02T90/50	1	Computer aided design [CAD] for improving the mechanical performance in the sector of transportation, e.g. improvement of aerodynamics, noise or vibration reduction, tyre design	<administrative transfer to Y02T90/00>

SUBCLASS Y02W -- CLIMATE CHANGE MITIGATION TECHNOLOGIES RELATED TO WASTEWATER TREATMENT OR WASTE MANAGEMENT

<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>
M	Y02W10/00	0	Technologies for wastewater treatment	
T	Y02W10/10	1	Biological treatment of water, waste water, or sewage	
D	Y02W10/12	2	Anaerobic processes with biogas recycling, capture or flaring	<administrative transfer to Y02W10/10>
D	Y02W10/15	2	Aerobic processes	<administrative transfer to Y02W10/10>
D	Y02W10/18	2	Constructed wetlands	<administrative transfer to Y02W10/10>
T	Y02W10/20	1	Sludge processing	
D	Y02W10/23	2	Anaerobic processes with biogas recycling, capture or flaring	<administrative transfer to Y02W10/20>
D	Y02W10/27	2	Aerobic processes	<administrative transfer to Y02W10/20>
M	Y02W10/30	1	Wastewater or sewage treatment systems using renewable energies	
U	Y02W10/33	2	using wind energy	
U	Y02W10/37	2	using solar energy	
T	Y02W10/40	1	Valorisation of by-products of wastewater, sewage or sludge processing	
D	Y02W10/45	2	Obtention of bio-polymers	<administrative transfer to Y02W10/40>
M	Y02W30/00	0	Technologies for solid waste management	
M	Y02W30/10	1	Waste collection, transportation, transfer or storage, e.g. segregated refuse collecting, electric or hybrid propulsion	
M	Y02W30/20	1	Waste processing or separation	
T	Y02W30/30	1	Landfill technologies aiming to mitigate methane emissions	

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D	Y02W30/32	2	Sealing or covering	<administrative transfer to Y02W30/30>
D	Y02W30/35	2	Landfill gas capture	<administrative transfer to Y02W30/30>
D	Y02W30/38	2	Landfill gas flaring	<administrative transfer to Y02W30/30>
T	Y02W30/40	1	Bio-organic fraction processing; Production of fertilisers from the organic fraction of waste or refuse	
D	Y02W30/43	2	Aerobic fermentation, e.g. composting	<administrative transfer to Y02W30/40>
D	Y02W30/47	2	Anaerobic fermentation, e.g. methanation combined with capture, recycling or flaring	<administrative transfer to Y02W30/40>
T	Y02W30/50	1	Reuse, recycling or recovery technologies	
T	Y02W30/52	2	Mechanical processing of waste for the recovery of materials, e.g. crushing, shredding, separation or disassembly	
D	Y02W30/521	3	Crushing or shredding	<administrative transfer to Y02W30/52>
D	Y02W30/522	3	Separation techniques	<administrative transfer to Y02W30/52>
D	Y02W30/523	4	Sieving or screening	<administrative transfer to Y02W30/52>
D	Y02W30/524	4	based on density or gravimetry	<administrative transfer to Y02W30/52>
D	Y02W30/525	4	using wind or air currents	<administrative transfer to Y02W30/52>
D	Y02W30/526	4	Magnetic separation	<administrative transfer to Y02W30/52>
D	Y02W30/527	4	Electrostatic separation	<administrative transfer to Y02W30/52>
D	Y02W30/528	4	inducing eddy-currents	<administrative transfer to Y02W30/52>
D	Y02W30/54	2	Metal recycling	<administrative transfer to Y02W30/50>
D	Y02W30/541	3	Manufacture of articles from waste metal particles	<administrative transfer to Y02W30/50>
D	Y02W30/542	3	Recovery or treatment of by-products during pig-iron manufacturing (use of waste of metallurgical processes as filler for mortars or concrete Y02W30/94)	<administrative transfer to Y02W30/50>
D	Y02W30/543	4	Treatment of liquid slag	<administrative transfer to Y02W30/50>
M	Y02W30/56	2	of vehicles	
U	Y02W30/58	2	Construction or demolition [C&D] waste	
T	Y02W30/60	2	Glass recycling	

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D	Y02W30/61	3	Glass containers reutilization	<administrative transfer to Y02W30/60>
T	Y02W30/62	2	Plastics recycling; Rubber recycling	
D	Y02W30/622	3	Separating plastics from other materials	<administrative transfer to Y02W30/62>
D	Y02W30/625	3	Disintegrating plastics	<administrative transfer to Y02W30/62>
D	Y02W30/628	3	Plastic containers reutilization	<administrative transfer to Y02W30/62>
T	Y02W30/64	2	Paper recycling	
D	Y02W30/642	3	Dry methods for dividing waste paper into small particles	<administrative transfer to Y02W30/64>
D	Y02W30/644	4	by cutting actions	<administrative transfer to Y02W30/64>
D	Y02W30/646	3	Wet methods for dividing waste paper into small particles	<administrative transfer to Y02W30/64>
D	Y02W30/648	3	Recovery of cellulose by working-up waste paper	<administrative transfer to Y02W30/64>
T	Y02W30/66	2	Disintegrating fibre-containing textile articles to obtain fibres for re-use	
D	Y02W30/663	3	Opening, unravelling or teasing ropes or like fibrous strands to obtain fibres for re-use	<administrative transfer to Y02W30/66>
D	Y02W30/667	3	Opening rags to obtain fibres for re-use	<administrative transfer to Y02W30/66>
D	Y02W30/68	2	Rubber waste recycling	<administrative transfer to Y02W30/62>
D	Y02W30/683	3	Utilisation of recycled rubber in footwear	<administrative transfer to Y02W30/62>
D	Y02W30/687	3	Utilisation of recycled tires for hydraulic engineering	<administrative transfer to Y02W30/62>
D	Y02W30/70	2	Recovery of polymers other than plastics or rubbers	<administrative transfer to Y02W30/62>
D	Y02W30/701	3	without chemical reactions	<administrative transfer to Y02W30/62>
D	Y02W30/702	3	by chemically breaking down the molecular chains of polymers or breaking of crosslinks, e.g. devulcanisation	<administrative transfer to Y02W30/62>
D	Y02W30/703	4	by dry-heat treatment only	<administrative transfer to Y02W30/62>
D	Y02W30/704	4	by treatment with steam or water	<administrative transfer to Y02W30/62>
D	Y02W30/705	4	by treatment with inorganic material	<administrative transfer to Y02W30/62>
D	Y02W30/706	4	by treatment with organic material	<administrative transfer to Y02W30/62>

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D	Y02W30/72	2	Recovery of luminescent materials	<administrative transfer to Y02W30/50>
U	Y02W30/74	2	Recovery of fats, fatty oils, fatty acids or other fatty substances, e.g. lanolin or waxes	
D	Y02W30/76	2	Recovery of tanning agents from leather	<administrative transfer to Y02W30/50>
M	Y02W30/78	2	Recycling of wood or furniture waste	
T	Y02W30/80	2	Packaging reuse or recycling, e.g. of multilayer packaging (bio-packaging Y02W90/10)	
D	Y02W30/801	3	Technologies specific to multilayer packaging	<administrative transfer to Y02W30/80>
D	Y02W30/802	3	Packaging eco-design or eco-conception	<administrative transfer to Y02W30/80>
D	Y02W30/803	4	Packaging containers made of recycled materials	<administrative transfer to Y02W30/80>
D	Y02W30/804	5	the recycled material being paper	<administrative transfer to Y02W30/80>
D	Y02W30/805	4	Packaging containers especially suited for or with means facilitating recycling	<administrative transfer to Y02W30/80>
D	Y02W30/806	5	Packaging containers consisting of two or more parts made of the same material	<administrative transfer to Y02W30/80>
D	Y02W30/807	4	Packaging containers especially suited for or with means facilitating reusability	<administrative transfer to Y02W30/80>
T	Y02W30/82	2	Recycling of waste of electrical or electronic equipment [WEEE]	
D	Y02W30/821	3	Recovery of metals from electric or electronic cables or wires scrap (metal recycling Y02W30/54)	<administrative transfer to Y02W30/82>
D	Y02W30/822	3	Recovery of materials from electronic scrap, e.g. printed circuit board scrap	<administrative transfer to Y02W30/82>
D	Y02W30/823	3	Technologies specific to particular WEEE categories	<administrative transfer to Y02W30/82>
D	Y02W30/824	4	Refrigerators	<administrative transfer to Y02W30/82>
D	Y02W30/825	5	Removing refrigerant	<administrative transfer to Y02W30/82>
D	Y02W30/826	4	Information technology [IT] or telecommunication equipment	<administrative transfer to Y02W30/82>
D	Y02W30/827	4	Consumers equipment or photovoltaic panels	<administrative transfer to Y02W30/82>
D	Y02W30/828	4	Lighting equipment or discharge tubes	<administrative transfer to Y02W30/82>
D	Y02W30/829	5	Lighting devices made of waste or recyclable material	<administrative transfer to Y02W30/82>
T	Y02W30/84	2	Recycling of batteries or fuel cells	

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
D	Y02W30/86	2	Recycling of fuel cells	<administrative transfer to Y02W30/84>
D	Y02W30/88	2	Nuclear fuel reprocessing	<administrative transfer to Y02W30/50>
D	Y02W30/881	3	Apparatus or processes for dismantling nuclear fuel, e.g. before reprocessing	<administrative transfer to Y02W30/50>
D	Y02W30/882	3	Reprocessing of irradiated solid fuel	<administrative transfer to Y02W30/50>
D	Y02W30/883	4	Aqueous processes, e.g. based on organic extraction means or regeneration thereof	<administrative transfer to Y02W30/50>
D	Y02W30/884	4	Non-aqueous processes	<administrative transfer to Y02W30/50>
D	Y02W30/90	2	Reuse, recycling or recovery technologies cross-cutting to different types of waste	<administrative transfer to Y02W30/50>
T	Y02W30/91	2	Use of waste materials as fillers for mortars or concrete	
D	Y02W30/92	4	Combustion residues, e.g. purification products of smoke, fumes or exhaust gases	<administrative transfer to Y02W30/91>
D	Y02W30/93	4	from quarries, mining or the like	<administrative transfer to Y02W30/91>
D	Y02W30/94	4	from metallurgical processes	<administrative transfer to Y02W30/91>
D	Y02W30/95	4	from building or ceramic industry	<administrative transfer to Y02W30/91>
D	Y02W30/96	4	organic, e.g. rubber, polystyrene	<administrative transfer to Y02W30/91>
D	Y02W30/97	5	Vegetable refuse, e.g. rice husks, maize-ear refuse; cellulosic materials, e.g. paper	<administrative transfer to Y02W30/91>
T	Y02W90/00	0	Enabling technologies or technologies with a potential or indirect contribution to greenhouse gas [GHG] emissions mitigation	
T	Y02W90/10	1	Bio-packaging, e.g. packing containers made from renewable resources or bio-plastics	
D	Y02W90/11	2	Packing containers made from renewable resources	<administrative transfer to Y02W90/10>
D	Y02W90/12	3	Packing containers made of bio-plastics	<administrative transfer to Y02W90/10>
D	Y02W90/13	3	Biodegradable packaging containers	<administrative transfer to Y02W90/10>
D	Y02W90/14	4	Compostable packaging containers	<administrative transfer to Y02W90/10>
D	Y02W90/20	1	Computer systems or methods specially adapted for waste reduction or recycling of materials or goods	<administrative transfer to Y02W90/00>

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SUBCLASS Y04S - SYSTEMS INTEGRATING TECHNOLOGIES RELATED TO POWER NETWORK OPERATION, COMMUNICATION OR INFORMATION TECHNOLOGIES FOR IMPROVING THE ELECTRICAL POWER GENERATION, TRANSMISSION, DISTRIBUTION, MANAGEMENT OR USAGE, i.e. SMART GRIDS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
T	Y04S10/00	0	Systems supporting electrical power generation, transmission or distribution	
D	Y04S10/10	1	Systems characterised by the monitored, controlled or operated power network elements or equipment	<administrative transfer to Y04S10/00>
M	Y04S10/12	1	Monitoring or controlling equipment for energy generation units, e.g. distributed energy generation [DER] or load-side generation	
M	Y04S10/123	2	the energy generation units being or involving renewable energy sources	
M	Y04S10/126	2	the energy generation units being or involving electric vehicles [EV] or hybrid vehicles [HEV], i.e. power aggregation of EV or HEV, vehicle to grid arrangements [V2G]	
M	Y04S10/14	1	Energy storage units	
M	Y04S10/16	1	Electric power substations	
M	Y04S10/18	1	using switches, relays or circuit breakers, e.g. intelligent electronic devices [IED]	
M	Y04S10/20	1	using protection elements, arrangements or systems	
M	Y04S10/22	1	Flexible AC transmission systems [FACTS] or power factor or reactive power compensating or correcting units	
D	Y04S10/24	2	the elements or equipments being or involving voltage regulating units	<administrative transfer to Y04S10/00>
D	Y04S10/26	2	the elements or equipments being or involving measuring units	<administrative transfer to Y04S10/00>
D	Y04S10/265	3	the measuring units being or involving phasor measuring units [PMU]	<administrative transfer to Y04S10/00>
M	Y04S10/30	1	State monitoring, e.g. fault, temperature monitoring, insulator monitoring, corona discharge	
M	Y04S10/40	1	Display of information, e.g. of data or controls	
T	Y04S10/50	1	Systems or methods supporting the power network operation or management, involving a certain degree of interaction with the load-side end user applications	

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T	Y04S10/52	2	Outage or fault management, e.g. fault detection or location	
D	Y04S10/522	3	Fault detection or location	<administrative transfer to Y04S10/52>
D	Y04S10/525	3	Power restoration	<administrative transfer to Y04S10/52>
D	Y04S10/527	3	Power quality monitoring	<administrative transfer to Y04S10/52>
D	Y04S10/54	2	Management of operational aspects	<administrative transfer to Y04S10/50>
D	Y04S10/542	3	Planning, load or production forecast	<administrative transfer to Y04S10/50>
D	Y04S10/545	3	Computing methods or systems for efficient or low carbon management or operation of electric power systems	<administrative transfer to Y04S10/50>
D	Y04S10/547	3	Maintenance, construction or extension	<administrative transfer to Y04S10/50>
D	Y04S10/56	2	Supply chain or logistics, e.g. warehousing, distribution, inventory, stock management, order filling, procurement or balancing against orders	<administrative transfer to Y04S10/50>
D	Y04S10/58	2	Financial or economic aspects related to the network operation	<administrative transfer to Y04S10/50>
D	Y04S10/60	2	Reporting; Information providing; Statistics or analysis	<administrative transfer to Y04S10/50>
T	Y04S20/00	0	Management or operation of end-user stationary applications or the last stages of power distribution; Controlling, monitoring or operating thereof	
D	Y04S20/10	1	System characterised by the monitored, controlled or operated end-user elements or equipments	<administrative transfer to Y04S20/00>
M	Y04S20/12	1	Energy storage units, uninterruptible power supply [UPS] systems or standby or emergency generators, e.g. in the last power distribution stages	
M	Y04S20/14	1	Protecting elements, switches, relays or circuit breakers	
D	Y04S20/16	2	The elements or equipments being or involving power plugs, sockets, adapters or power strips	<administrative transfer to Y04S20/00>
D	Y04S20/18	2	The element or elements being a direct current power network, grid or distribution line	<administrative transfer to Y04S20/00>
T	Y04S20/20	1	End-user application control systems	

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D	Y04S20/22	2	characterised by the aim of the control	<administrative transfer to Y04S20/20>
M	Y04S20/221	2	General power management systems	
T	Y04S20/222	2	Demand response systems, e.g. load shedding, peak shaving	
D	Y04S20/224	4	Curtailement; Interruptions; Retail price-responsive demand	<administrative transfer to Y04S20/222>
D	Y04S20/225	3	The system entering an energy saving mode, i.e. sleep, low-power or standby modes	<administrative transfer to Y04S20/20>
D	Y04S20/227	3	Domotics or building automation systems	<administrative transfer to Y04S20/20>
D	Y04S20/228	4	Characterised by involving a home automation communication network	<administrative transfer to Y04S20/20>
D	Y04S20/24	2	characterised by the end-user application	<administrative transfer to Y04S20/20>
M	Y04S20/242	2	Home appliances	
M	Y04S20/244	3	the home appliances being or involving heating ventilating and air conditioning [HVAC] units	
M	Y04S20/246	3	the system involving the remote operation of lamps or lighting equipment	
M	Y04S20/248	2	UPS systems or standby or emergency generators	
T	Y04S20/30	1	Smart metering, e.g. specially adapted for remote reading	
D	Y04S20/32	2	Systems characterised by remote reading	<administrative transfer to Y04S20/30>
D	Y04S20/322	3	from a fixed location	<administrative transfer to Y04S20/30>
D	Y04S20/325	3	from a mobile location	<administrative transfer to Y04S20/30>
D	Y04S20/327	3	The remote reading system including mechanisms for turning on/off the supply	<administrative transfer to Y04S20/30>
D	Y04S20/34	2	Systems which determine the environmental impact of user behavior	<administrative transfer to Y04S20/30>
D	Y04S20/36	2	Methods or devices for detecting or reporting abnormalities, e.g. faults, outages, leaks	<administrative transfer to Y04S20/30>
D	Y04S20/38	2	Identification of individual loads by analysing current or voltage waveforms	<administrative transfer to Y04S20/30>
D	Y04S20/40	2	Displaying of usage with respect to time, e.g. monitoring evolution of usage, relating usage and weather conditions	<administrative transfer to Y04S20/30>
D	Y04S20/42	2	Utility meters which are networked together, e.g. within a single building	<administrative transfer to Y04S20/30>

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D	Y04S20/44	2	Displaying utility price or cost	<administrative transfer to Y04S20/30>
D	Y04S20/46	2	Remote display of meters readings	<administrative transfer to Y04S20/30>
D	Y04S20/48	2	Methods for determining the topology of meters in a network	<administrative transfer to Y04S20/30>
D	Y04S20/50	2	Retrofitting of installed meters	<administrative transfer to Y04S20/30>
D	Y04S20/52	2	Systems oriented to metering of generated energy or power	<administrative transfer to Y04S20/30>
D	Y04S20/525	3	Monitoring the performance of renewable electricity generating systems, i.e. of solar panels	<administrative transfer to Y04S20/30>
U	Y04S30/00	0	Systems supporting specific end-user applications in the sector of transportation	
U	Y04S30/10	1	Systems supporting the interoperability of electric or hybrid vehicles	
U	Y04S30/12	2	Remote or cooperative charging	
U	Y04S30/14	2	Details associated with the interoperability, e.g. vehicle recognition, authentication, identification or billing	
T	Y04S40/00	0	Systems for electrical power generation, transmission, distribution or end-user application management characterised by the use of communication or information technologies, or communication or information technology specific aspects supporting them	
D	Y04S40/10	1	characterised by communication technology	<administrative transfer to Y04S40/00>
M	Y04S40/12	1	characterised by data transport means between the monitoring, controlling or managing units and monitored, controlled or operated electrical equipment	
T	Y04S40/121	2	using the power network as support for the transmission	
D	Y04S40/122	4	Using pulsed signals	<administrative transfer to Y04S40/121>
D	Y04S40/123	4	Using modification of a parameter of the network power signal	<administrative transfer to Y04S40/121>
T	Y04S40/124	2	using wired telecommunication networks or data transmission busses	
D	Y04S40/125	3	Using phone lines	<administrative transfer to Y04S40/124>
T	Y04S40/126	2	using wireless data transmission	

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D	Y04S40/127	4	by means of mobile telephony	<administrative transfer to Y04S40/126>
M	Y04S40/128	2	involving the use of Internet protocol	
D	Y04S40/14	2	Communication technology specific aspects	<administrative transfer to Y04S40/00>
D	Y04S40/143	3	using dedicated transmission supports	<administrative transfer to Y04S40/00>
D	Y04S40/146	3	using power networks as support for transmission	<administrative transfer to Y04S40/121>
D	Y04S40/16	2	Details of management of the overlaying communication network between the monitoring, controlling or managing units and monitored, controlled or operated electrical equipment	<administrative transfer to Y04S40/00>
D	Y04S40/162	3	related to configuration or provisioning	<administrative transfer to Y04S40/00>
D	Y04S40/164	3	related to network topology	<administrative transfer to Y04S40/00>
D	Y04S40/166	3	related to fault management	<administrative transfer to Y04S40/00>
D	Y04S40/168	3	for performance monitoring	<administrative transfer to Y04S40/00>
M	Y04S40/18	1	Network protocols supporting networked applications, e.g. including control of end-device applications over a network	
T	Y04S40/20	1	Information technology specific aspects, e.g. CAD, simulation, modelling, system security	
D	Y04S40/22	2	Computer aided design [CAD]; Simulation; Modelling	<administrative transfer to Y04S40/20>
D	Y04S40/24	2	Arrangements for network security or for protecting computers or computer systems against unauthorised activity, e.g. cyber security	<administrative transfer to Y04S40/20>
U	Y04S50/00	0	Market activities related to the operation of systems integrating technologies related to power network operation or related to communication or information technologies	
U	Y04S50/10	1	Energy trading, including energy flowing from end-user application to grid	
U	Y04S50/12	1	Billing, invoicing, buying or selling transactions or other related activities, e.g. cost or usage evaluation	
U	Y04S50/14	1	Marketing, i.e. market research and analysis, surveying, promotions,	

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			advertising, buyer profiling, customer management or rewards	
U	Y04S50/16	1	Energy services, e.g. dispersed generation or demand or load or energy savings aggregation	

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

NOTES:

- **No {curly brackets} are used for titles in CPC only 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.
- “<administrative 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 “<administrative transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative <administrative transfer of documents, the following text should be used: “< administrative <administrative transfer to XX>”, “<administrative <administrative transfer to XX and YY simultaneously>”, or “<administrative <administrative transfer to XX, YY ...and ZZ simultaneously>” when administrative <administrative transfer of the same documents is to more than one place.
- Administrative <administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative <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 <administrative transfer to XX ADD> , <administrative <administrative transfer to XX INV>, or < administrative <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 (“<administrative transferred to”) symbol, however it is required to specify “<no <administrative transfer>” in the “<administrative transferred to” column for such cases.
- For finalisation projects, the deleted “F” symbols should have <no <administrative transfer> in the “<administrative transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02A 10/12	<administrative transfer to Y02A 10/11>
D	Y02A 10/13	<administrative transfer to Y02A 10/11>
D	Y02A 10/14	<administrative transfer to Y02A 10/11>
D	Y02A 10/15	<administrative transfer to Y02A 10/11>
D	Y02A 10/16	<administrative transfer to Y02A 10/11>
D	Y02A 10/17	<administrative transfer to Y02A 10/11>
D	Y02A 10/18	<administrative transfer to Y02A 10/11>
D	Y02A 10/20	<administrative transfer to Y02A 10/00>
D	Y02A 10/21	<administrative transfer to Y02A 10/00>
D	Y02A 10/22	<administrative transfer to Y02A 10/00>
D	Y02A 10/24	<administrative transfer to Y02A 10/23>
D	Y02A 10/25	<administrative transfer to Y02A 10/26>
D	Y02A 10/27	<administrative transfer to Y02A 10/26>
D	Y02A 10/28	<administrative transfer to Y02A 10/00>
D	Y02A 10/31	<administrative transfer to Y02A 10/30>
D	Y02A 10/32	<administrative transfer to Y02A 10/30>
D	Y02A 10/33	<administrative transfer to Y02A 10/30>
D	Y02A 10/34	<administrative transfer to Y02A 10/30>
D	Y02A 10/35	<administrative transfer to Y02A 10/30>
D	Y02A 10/36	<administrative transfer to Y02A 10/30>
D	Y02A 10/37	<administrative transfer to Y02A 10/30>
D	Y02A 10/38	<administrative transfer to Y02A 10/30>
D	Y02A 10/383	<administrative transfer to Y02A 10/30>
D	Y02A 10/386	<administrative transfer to Y02A 10/30>
D	Y02A 10/39	<administrative transfer to Y02A 10/30>
D	Y02A 10/395	<administrative transfer to Y02A 10/30>
D	Y02A 10/41	<administrative transfer to Y02A 10/40>
D	Y02A 10/42	<administrative transfer to Y02A 10/40>
D	Y02A 10/44	<administrative transfer to Y02A 10/40>
D	Y02A 10/46	<administrative transfer to Y02A 10/40>
D	Y02A 10/48	<administrative transfer to Y02A 10/40>
D	Y02A 20/10	<administrative transfer to Y02A 20/00>
D	Y02A 20/102	<administrative transfer to Y02A 20/00>
D	Y02A 20/104	<administrative transfer to Y02A 20/00>
D	Y02A 20/106	<administrative transfer to Y02A 20/00>
D	Y02A 20/109	<administrative transfer to Y02A 20/00>
D	Y02A 20/112	<administrative transfer to Y02A 20/00>
D	Y02A 20/114	<administrative transfer to Y02A 20/00>
D	Y02A 20/116	<administrative transfer to Y02A 20/00>
D	Y02A 20/118	<administrative transfer to Y02A 20/00>
D	Y02A 20/119	<administrative transfer to Y02A 20/00>
D	Y02A 20/12	<administrative transfer to Y02A 20/00>
D	Y02A 20/126	<administrative transfer to Y02A 20/124>
D	Y02A 20/128	<administrative transfer to Y02A 20/124>
D	Y02A 20/129	<administrative transfer to Y02A 20/142>
D	Y02A 20/132	<administrative transfer to Y02A 20/124>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02A 20/134	<administrative transfer to Y02A 20/124>
D	Y02A 20/154	<administrative transfer to Y02A 20/152>
D	Y02A 20/156	<administrative transfer to Y02A 20/152>
D	Y02A 20/16	<administrative transfer to Y02A 20/152>
D	Y02A 20/18	<administrative transfer to Y02A 20/00>
D	Y02A 20/202	<administrative transfer to Y02A 20/20>
D	Y02A 20/206	<administrative transfer to Y02A 20/20>
D	Y02A 20/214	<administrative transfer to Y02A 20/208>
D	Y02A 20/216	<administrative transfer to Y02A 20/208>
D	Y02A 20/218	<administrative transfer to Y02A 20/00>
D	Y02A 20/22	<administrative transfer to Y02A 20/00>
D	Y02A 20/302	<administrative transfer to Y02A 20/30>
D	Y02A 20/304	<administrative transfer to Y02A 20/30>
D	Y02A 20/408	<administrative transfer to Y02A 20/40>
D	Y02A 20/412	<administrative transfer to Y02A 20/40>
D	Y02A 20/414	<administrative transfer to Y02A 20/40>
D	Y02A 30/10	<administrative transfer to Y02A 30/00>
D	Y02A 30/12	<administrative transfer to Y02A 30/00>
D	Y02A 30/16	<administrative transfer to Y02A 30/14>
D	Y02A 30/17	<administrative transfer to Y02A 30/14>
D	Y02A 30/18	<administrative transfer to Y02A 30/14>
D	Y02A 30/19	<administrative transfer to Y02A 30/14>
D	Y02A 30/20	<administrative transfer to Y02A 30/00>
D	Y02A 30/21	<administrative transfer to Y02A 30/00>
D	Y02A 30/22	<administrative transfer to Y02A 30/00>
D	Y02A 30/23	<administrative transfer to Y02A 30/00>
D	Y02A 30/241	<administrative transfer to Y02A 30/24>
D	Y02A 30/243	<administrative transfer to Y02A 30/24>
D	Y02A 30/245	<administrative transfer to Y02A 30/244>
D	Y02A 30/246	<administrative transfer to Y02A 30/244>
D	Y02A 30/247	<administrative transfer to Y02A 30/244>
D	Y02A 30/248	<administrative transfer to Y02A 30/244>
D	Y02A 30/25	<administrative transfer to Y02A 30/249>
D	Y02A 30/251	<administrative transfer to Y02A 30/249>
D	Y02A 30/252	<administrative transfer to Y02A 30/24>
D	Y02A 30/253	<administrative transfer to Y02A 30/24>
D	Y02A 30/255	<administrative transfer to Y02A 30/254>
D	Y02A 30/256	<administrative transfer to Y02A 30/24>
D	Y02A 30/257	<administrative transfer to Y02A 30/24>
D	Y02A 30/259	<administrative transfer to Y02A 30/00>
D	Y02A 30/26	<administrative transfer to Y02A 30/00>
D	Y02A 30/261	<administrative transfer to Y02A 30/00>
D	Y02A 30/276	<administrative transfer to Y02A 30/27>
D	Y02A 30/277	<administrative transfer to Y02A 30/27>
D	Y02A 30/278	<administrative transfer to Y02A 30/27>
D	Y02A 30/31	<administrative transfer to Y02A 30/30>
D	Y02A 30/32	<administrative transfer to Y02A 30/30>
D	Y02A 30/33	<administrative transfer to Y02A 30/30>
D	Y02A 30/333	<administrative transfer to Y02A 30/30>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02A 30/336	<administrative transfer to Y02A 30/30>
D	Y02A 30/34	<administrative transfer to Y02A 30/30>
D	Y02A 30/35	<administrative transfer to Y02A 30/30>
D	Y02A 30/36	<administrative transfer to Y02A 30/30>
D	Y02A 30/38	<administrative transfer to Y02A 30/30>
D	Y02A 30/40	<administrative transfer to Y02A 20/20>
D	Y02A 30/45	<administrative transfer to Y02A 20/20>
D	Y02A 30/50	<administrative transfer to Y02A 30/00>
D	Y02A 30/62	<administrative transfer to Y02A 30/60>
D	Y02A 30/64	<administrative transfer to Y02A 30/60>
D	Y02A 30/68	<administrative transfer to Y02A 30/60>
D	Y02A 40/11	<administrative transfer to Y02A 40/10>
D	Y02A 40/12	<administrative transfer to Y02A 40/10>
D	Y02A 40/14	<administrative transfer to Y02A 40/10>
D	Y02A 40/143	<administrative transfer to Y02A 40/10>
D	Y02A 40/15	<administrative transfer to Y02A 40/10>
D	Y02A 40/16	<administrative transfer to Y02A 40/10>
D	Y02A 40/162	<administrative transfer to Y02A 40/146>
D	Y02A 40/164	<administrative transfer to Y02A 40/146>
D	Y02A 40/166	<administrative transfer to Y02A 40/146>
D	Y02A 40/168	<administrative transfer to Y02A 40/10>
D	Y02A 40/17	<administrative transfer to Y02A 40/10>
D	Y02A 40/18	<administrative transfer to Y02A 40/10>
D	Y02A 40/19	<administrative transfer to Y02A 40/10>
D	Y02A 40/201	<administrative transfer to Y02A 40/20>
D	Y02A 40/202	<administrative transfer to Y02A 40/20>
D	Y02A 40/203	<administrative transfer to Y02A 40/20>
D	Y02A 40/204	<administrative transfer to Y02A 40/20>
D	Y02A 40/205	<administrative transfer to Y02A 40/20>
D	Y02A 40/206	<administrative transfer to Y02A 40/20>
D	Y02A 40/207	<administrative transfer to Y02A 40/20>
D	Y02A 40/208	<administrative transfer to Y02A 40/20>
D	Y02A 40/209	<administrative transfer to Y02A 40/20>
D	Y02A 40/21	<administrative transfer to Y02A 40/20>
D	Y02A 40/211	<administrative transfer to Y02A 40/20>
D	Y02A 40/212	<administrative transfer to Y02A 40/20>
D	Y02A 40/213	<administrative transfer to Y02A 40/20>
D	Y02A 40/214	<administrative transfer to Y02A 40/20>
D	Y02A 40/215	<administrative transfer to Y02A 40/20>
D	Y02A 40/216	<administrative transfer to Y02A 40/20>
D	Y02A 40/221	<administrative transfer to Y02A 40/22>
D	Y02A 40/222	<administrative transfer to Y02A 40/22>
D	Y02A 40/223	<administrative transfer to Y02A 40/22>
D	Y02A 40/224	<administrative transfer to Y02A 40/22>
D	Y02A 40/225	<administrative transfer to Y02A 40/22>
D	Y02A 40/226	<administrative transfer to Y02A 40/22>
D	Y02A 40/227	<administrative transfer to Y02A 40/22>
D	Y02A 40/228	<administrative transfer to Y02A 40/22>
D	Y02A 40/229	<administrative transfer to Y02A 40/22>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02A 40/23	<administrative transfer to Y02A 40/22>
D	Y02A 40/231	<administrative transfer to Y02A 40/22>
D	Y02A 40/232	<administrative transfer to Y02A 40/22>
D	Y02A 40/233	<administrative transfer to Y02A 40/22>
D	Y02A 40/234	<administrative transfer to Y02A 40/22>
D	Y02A 40/235	<administrative transfer to Y02A 40/22>
D	Y02A 40/236	<administrative transfer to Y02A 40/22>
D	Y02A 40/237	<administrative transfer to Y02A 40/22>
D	Y02A 40/238	<administrative transfer to Y02A 40/22>
D	Y02A 40/239	<administrative transfer to Y02A 40/22>
D	Y02A 40/24	<administrative transfer to Y02A 40/22>
D	Y02A 40/241	<administrative transfer to Y02A 40/22>
D	Y02A 40/242	<administrative transfer to Y02A 40/22>
D	Y02A 40/243	<administrative transfer to Y02A 40/22>
D	Y02A 40/252	<administrative transfer to Y02A 40/25>
D	Y02A 40/254	<administrative transfer to Y02A 40/25>
D	Y02A 40/256	<administrative transfer to Y02A 40/25>
D	Y02A 40/258	<administrative transfer to Y02A 40/25>
D	Y02A 40/26	<administrative transfer to Y02A 40/25>
D	Y02A 40/262	<administrative transfer to Y02A 40/25>
D	Y02A 40/264	<administrative transfer to Y02A 40/25>
D	Y02A 40/266	<administrative transfer to Y02A 40/25>
D	Y02A 40/268	<administrative transfer to Y02A 40/25>
D	Y02A 40/27	<administrative transfer to Y02A 40/25>
D	Y02A 40/272	<administrative transfer to Y02A 40/25>
D	Y02A 40/274	<administrative transfer to Y02A 40/25>
D	Y02A 40/282	<administrative transfer to Y02A 40/28>
D	Y02A 40/284	<administrative transfer to Y02A 40/28>
D	Y02A 40/286	<administrative transfer to Y02A 40/28>
D	Y02A 40/288	<administrative transfer to Y02A 40/28>
D	Y02A 40/29	<administrative transfer to Y02A 40/28>
D	Y02A 40/292	<administrative transfer to Y02A 40/28>
D	Y02A 40/294	<administrative transfer to Y02A 40/28>
D	Y02A 40/296	<administrative transfer to Y02A 40/28>
D	Y02A 40/298	<administrative transfer to Y02A 40/28>
D	Y02A 40/30	<administrative transfer to Y02A 40/28>
D	Y02A 40/302	<administrative transfer to Y02A 40/28>
D	Y02A 40/40	<administrative transfer to Y02A 40/10>
D	Y02A 40/50	<administrative transfer to Y02A 40/10>
D	Y02A 40/52	<administrative transfer to Y02A 40/51>
D	Y02A 40/53	<administrative transfer to Y02A 40/51>
D	Y02A 40/55	<administrative transfer to Y02A 40/51>
D	Y02A 40/57	<administrative transfer to Y02A 40/51>
D	Y02A 40/72	<administrative transfer to Y02A 40/70>
D	Y02A 40/73	<administrative transfer to Y02A 40/70>
D	Y02A 40/74	<administrative transfer to Y02A 40/70>
D	Y02A 40/75	<administrative transfer to Y02A 40/70>
D	Y02A 40/78	<administrative transfer to Y02A 40/70>
D	Y02A 40/812	<administrative transfer to Y02A 40/81>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02A 40/814	<administrative transfer to Y02A 40/81>
D	Y02A 40/816	<administrative transfer to Y02A 40/81>
D	Y02A 40/82	<administrative transfer to Y02A 40/81>
D	Y02A 40/822	<administrative transfer to Y02A 40/81>
D	Y02A 40/824	<administrative transfer to Y02A 40/81>
D	Y02A 40/826	<administrative transfer to Y02A 40/81>
D	Y02A 40/828	<administrative transfer to Y02A 40/81>
D	Y02A 40/83	<administrative transfer to Y02A 40/81>
D	Y02A 40/832	<administrative transfer to Y02A 40/81>
D	Y02A 40/834	<administrative transfer to Y02A 40/81>
D	Y02A 40/836	<administrative transfer to Y02A 40/81>
D	Y02A 40/838	<administrative transfer to Y02A 40/81>
D	Y02A 40/84	<administrative transfer to Y02A 40/81>
D	Y02A 40/845	<administrative transfer to Y02A 40/81>
D	Y02A 40/86	<administrative transfer to Y02A 40/80>
D	Y02A 40/88	<administrative transfer to Y02A 40/80>
D	Y02A 40/92	<administrative transfer to Y02A 40/90>
D	Y02A 40/922	<administrative transfer to Y02A 40/90>
D	Y02A 40/94	<administrative transfer to Y02A 40/90>
D	Y02A 40/941	<administrative transfer to Y02A 40/90>
D	Y02A 40/942	<administrative transfer to Y02A 40/90>
D	Y02A 40/943	<administrative transfer to Y02A 40/90>
D	Y02A 40/944	<administrative transfer to Y02A 40/90>
D	Y02A 40/945	<administrative transfer to Y02A 40/90>
D	Y02A 40/946	<administrative transfer to Y02A 40/90>
D	Y02A 40/947	<administrative transfer to Y02A 40/90>
D	Y02A 40/948	<administrative transfer to Y02A 40/90>
D	Y02A 40/949	<administrative transfer to Y02A 40/90>
D	Y02A 40/95	<administrative transfer to Y02A 40/90>
D	Y02A 40/96	<administrative transfer to Y02A 40/90>
D	Y02A 40/961	<administrative transfer to Y02A 40/90>
D	Y02A 40/962	<administrative transfer to Y02A 40/90>
D	Y02A 40/964	<administrative transfer to Y02A 40/963>
D	Y02A 40/965	<administrative transfer to Y02A 40/963>
D	Y02A 40/967	<administrative transfer to Y02A 40/963>
D	Y02A 40/968	<administrative transfer to Y02A 40/963>
D	Y02A 50/10	<administrative transfer to Y02A 50/00>
D	Y02A 50/12	<administrative transfer to Y02A 50/00>
D	Y02A 50/14	<administrative transfer to Y02A 50/00>
D	Y02A 50/16	<administrative transfer to Y02A 50/00>
D	Y02A 50/21	<administrative transfer to Y02A 50/20>
D	Y02A 50/22	<administrative transfer to Y02A 50/20>
D	Y02A 50/23	<administrative transfer to Y02A 50/20>
D	Y02A 50/232	<administrative transfer to Y02A 50/20>
D	Y02A 50/2322	<administrative transfer to Y02A 50/20>
D	Y02A 50/2324	<administrative transfer to Y02A 50/20>
D	Y02A 50/2325	<administrative transfer to Y02A 50/20>
D	Y02A 50/2326	<administrative transfer to Y02A 50/20>
D	Y02A 50/2327	<administrative transfer to Y02A 50/20>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02A 50/2328	<administrative transfer to Y02A 50/20>
D	Y02A 50/234	<administrative transfer to Y02A 50/20>
D	Y02A 50/2341	<administrative transfer to Y02A 50/20>
D	Y02A 50/2342	<administrative transfer to Y02A 50/20>
D	Y02A 50/2343	<administrative transfer to Y02A 50/20>
D	Y02A 50/2344	<administrative transfer to Y02A 50/20>
D	Y02A 50/2345	<administrative transfer to Y02A 50/20>
D	Y02A 50/2346	<administrative transfer to Y02A 50/20>
D	Y02A 50/2347	<administrative transfer to Y02A 50/20>
D	Y02A 50/2348	<administrative transfer to Y02A 50/20>
D	Y02A 50/2349	<administrative transfer to Y02A 50/20>
D	Y02A 50/235	<administrative transfer to Y02A 50/20>
D	Y02A 50/2352	<administrative transfer to Y02A 50/2351>
D	Y02A 50/2353	<administrative transfer to Y02A 50/2351>
D	Y02A 50/2354	<administrative transfer to Y02A 50/2351>
D	Y02A 50/2355	<administrative transfer to Y02A 50/2351>
D	Y02A 50/2356	<administrative transfer to Y02A 50/2351>
D	Y02A 50/2357	<administrative transfer to Y02A 50/2351>
D	Y02A 50/2358	<administrative transfer to Y02A 50/20>
D	Y02A 50/2359	<administrative transfer to Y02A 50/20>
D	Y02A 50/24	<administrative transfer to Y02A 50/20>
D	Y02A 50/241	<administrative transfer to Y02A 50/20>
D	Y02A 50/242	<administrative transfer to Y02A 50/20>
D	Y02A 50/243	<administrative transfer to Y02A 50/20>
D	Y02A 50/244	<administrative transfer to Y02A 50/20>
D	Y02A 50/245	<administrative transfer to Y02A 50/20>
D	Y02A 50/246	<administrative transfer to Y02A 50/20>
D	Y02A 50/247	<administrative transfer to Y02A 50/20>
D	Y02A 50/248	<administrative transfer to Y02A 50/20>
D	Y02A 50/249	<administrative transfer to Y02A 50/20>
D	Y02A 50/25	<administrative transfer to Y02A 50/20>
D	Y02A 50/31	<administrative transfer to Y02A 50/30>
D	Y02A 50/32	<administrative transfer to Y02A 50/30>
D	Y02A 50/321	<administrative transfer to Y02A 50/30>
D	Y02A 50/322	<administrative transfer to Y02A 50/30>
D	Y02A 50/323	<administrative transfer to Y02A 50/30>
D	Y02A 50/324	<administrative transfer to Y02A 50/30>
D	Y02A 50/325	<administrative transfer to Y02A 50/30>
D	Y02A 50/326	<administrative transfer to Y02A 50/30>
D	Y02A 50/327	<administrative transfer to Y02A 50/30>
D	Y02A 50/328	<administrative transfer to Y02A 50/30>
D	Y02A 50/329	<administrative transfer to Y02A 50/30>
D	Y02A 50/33	<administrative transfer to Y02A 50/30>
D	Y02A 50/331	<administrative transfer to Y02A 50/30>
D	Y02A 50/332	<administrative transfer to Y02A 50/30>
D	Y02A 50/333	<administrative transfer to Y02A 50/30>
D	Y02A 50/334	<administrative transfer to Y02A 50/30>
D	Y02A 50/335	<administrative transfer to Y02A 50/30>
D	Y02A 50/336	<administrative transfer to Y02A 50/30>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02A 50/48	<administrative transfer to Y02A 50/30>
D	Y02A 50/481	<administrative transfer to Y02A 50/30>
D	Y02A 50/482	<administrative transfer to Y02A 50/30>
D	Y02A 50/483	<administrative transfer to Y02A 50/30>
D	Y02A 50/484	<administrative transfer to Y02A 50/30>
D	Y02A 50/485	<administrative transfer to Y02A 50/30>
D	Y02A 50/486	<administrative transfer to Y02A 50/30>
D	Y02A 50/487	<administrative transfer to Y02A 50/30>
D	Y02A 50/488	<administrative transfer to Y02A 50/30>
D	Y02A 50/489	<administrative transfer to Y02A 50/30>
D	Y02A 50/49	<administrative transfer to Y02A 50/30>
D	Y02A 50/491	<administrative transfer to Y02A 50/30>
D	Y02A 50/492	<administrative transfer to Y02A 50/30>
D	Y02A 50/50	<administrative transfer to Y02A 50/30>
D	Y02A 50/51	<administrative transfer to Y02A 50/30>
D	Y02A 50/52	<administrative transfer to Y02A 50/30>
D	Y02A 50/53	<administrative transfer to Y02A 50/30>
D	Y02A 50/54	<administrative transfer to Y02A 50/30>
D	Y02A 50/55	<administrative transfer to Y02A 50/30>
D	Y02A 50/56	<administrative transfer to Y02A 50/30>
D	Y02A 50/57	<administrative transfer to Y02A 50/30>
D	Y02A 50/58	<administrative transfer to Y02A 50/30>
D	Y02A 50/59	<administrative transfer to Y02A 50/30>
D	Y02A 50/60	<administrative transfer to Y02A 50/30>
D	Y02A 90/12	<administrative transfer to Y02A 90/10>
D	Y02A 90/13	<administrative transfer to Y02A 90/10>
D	Y02A 90/14	<administrative transfer to Y02A 90/10>
D	Y02A 90/15	<administrative transfer to Y02A 90/10>
D	Y02A 90/16	<administrative transfer to Y02A 90/10>
D	Y02A 90/17	<administrative transfer to Y02A 90/10>
D	Y02A 90/18	<administrative transfer to Y02A 90/10>
D	Y02A 90/19	<administrative transfer to Y02A 90/10>
D	Y02A 90/20	<administrative transfer to Y02A 90/10>
D	Y02A 90/22	<administrative transfer to Y02A 90/10>
D	Y02A 90/24	<administrative transfer to Y02A 90/10>
D	Y02A 90/26	<administrative transfer to Y02A 90/10>
D	Y02A 90/32	<administrative transfer to Y02A 90/30>
D	Y02A 90/34	<administrative transfer to Y02A 90/30>
D	Y02A 90/342	<administrative transfer to Y02A 90/30>
D	Y02A 90/344	<administrative transfer to Y02A 90/30>
D	Y02A 90/36	<administrative transfer to Y02A 90/30>
D	Y02B 10/12	<administrative transfer to Y02B 10/10>
D	Y02B 10/14	<administrative transfer to Y02B 10/10>
D	Y02B 10/22	<administrative transfer to Y02B 10/20>
D	Y02B 10/24	<administrative transfer to Y02B 10/20>
D	Y02B 10/72	<administrative transfer to Y02B 10/70>
D	Y02B 20/10	<administrative transfer to Y02B 20/00>
D	Y02B 20/12	<administrative transfer to Y02B 20/00>
D	Y02B 20/125	<administrative transfer to Y02B 20/00>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02B 20/14	<administrative transfer to Y02B 20/00>
D	Y02B 20/142	<administrative transfer to Y02B 20/00>
D	Y02B 20/144	<administrative transfer to Y02B 20/00>
D	Y02B 20/146	<administrative transfer to Y02B 20/00>
D	Y02B 20/148	<administrative transfer to Y02B 20/00>
D	Y02B 20/16	<administrative transfer to Y02B 20/00>
D	Y02B 20/18	<administrative transfer to Y02B 20/00>
D	Y02B 20/181	<administrative transfer to Y02B 20/00>
D	Y02B 20/183	<administrative transfer to Y02B 20/00>
D	Y02B 20/185	<administrative transfer to Y02B 20/00>
D	Y02B 20/186	<administrative transfer to Y02B 20/00>
D	Y02B 20/188	<administrative transfer to Y02B 20/00>
D	Y02B 20/19	<administrative transfer to Y02B 20/00>
D	Y02B 20/20	<administrative transfer to Y02B 20/00>
D	Y02B 20/202	<administrative transfer to Y02B 20/00>
D	Y02B 20/204	<administrative transfer to Y02B 20/00>
D	Y02B 20/206	<administrative transfer to Y02B 20/00>
D	Y02B 20/208	<administrative transfer to Y02B 20/00>
D	Y02B 20/22	<administrative transfer to Y02B 20/00>
D	Y02B 20/32	<administrative transfer to Y02B 20/30>
D	Y02B 20/34	<administrative transfer to Y02B 20/30>
D	Y02B 20/341	<administrative transfer to Y02B 20/30>
D	Y02B 20/342	<administrative transfer to Y02B 20/30>
D	Y02B 20/343	<administrative transfer to Y02B 20/30>
D	Y02B 20/345	<administrative transfer to Y02B 20/30>
D	Y02B 20/346	<administrative transfer to Y02B 20/30>
D	Y02B 20/347	<administrative transfer to Y02B 20/30>
D	Y02B 20/348	<administrative transfer to Y02B 20/30>
D	Y02B 20/36	<administrative transfer to Y02B 20/30>
D	Y02B 20/38	<administrative transfer to Y02B 20/30>
D	Y02B 20/383	<administrative transfer to Y02B 20/30>
D	Y02B 20/386	<administrative transfer to Y02B 20/30>
D	Y02B 20/42	<administrative transfer to Y02B 20/40>
D	Y02B 20/44	<administrative transfer to Y02B 20/40>
D	Y02B 20/445	<administrative transfer to Y02B 20/40>
D	Y02B 20/46	<administrative transfer to Y02B 20/40>
D	Y02B 20/48	<administrative transfer to Y02B 20/40>
D	Y02B 20/70	<administrative transfer to Y02B 20/00>
D	Y02B 30/08	<administrative transfer to Y02B 30/00>
D	Y02B 30/10	<administrative transfer to Y02B 30/00>
D	Y02B 30/102	<administrative transfer to Y02B 30/00>
D	Y02B 30/104	<administrative transfer to Y02B 30/00>
D	Y02B 30/106	<administrative transfer to Y02B 30/00>
D	Y02B 30/108	<administrative transfer to Y02B 30/00>
D	Y02B 30/125	<administrative transfer to Y02B 30/12>
D	Y02B 30/14	<administrative transfer to Y02B 30/00>
D	Y02B 30/16	<administrative transfer to Y02B 30/00>
D	Y02B 30/20	<administrative transfer to Y02B 30/00>
D	Y02B 30/22	<administrative transfer to Y02B 30/00>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02B 30/24	<administrative transfer to Y02B 30/00>
D	Y02B 30/26	<administrative transfer to Y02B 30/00>
D	Y02B 30/28	<administrative transfer to Y02B 30/00>
D	Y02B 30/50	<administrative transfer to Y02B 30/00>
D	Y02B 30/542	<administrative transfer to Y02B 30/54>
D	Y02B 30/545	<administrative transfer to Y02B 30/54>
D	Y02B 30/547	<administrative transfer to Y02B 30/54>
D	Y02B 30/563	<administrative transfer to Y02B 30/56>
D	Y02B 30/566	<administrative transfer to Y02B 30/56>
D	Y02B 30/60	<administrative transfer to Y02B 30/00>
D	Y02B 30/64	<administrative transfer to Y02B 30/00>
D	Y02B 30/66	<administrative transfer to Y02B 30/00>
D	Y02B 30/72	<administrative transfer to Y02B 30/70>
D	Y02B 30/74	<administrative transfer to Y02B 30/70>
D	Y02B 30/741	<administrative transfer to Y02B 30/70>
D	Y02B 30/743	<administrative transfer to Y02B 30/70>
D	Y02B 30/745	<administrative transfer to Y02B 30/70>
D	Y02B 30/746	<administrative transfer to Y02B 30/70>
D	Y02B 30/748	<administrative transfer to Y02B 30/70>
D	Y02B 30/76	<administrative transfer to Y02B 30/70>
D	Y02B 30/762	<administrative transfer to Y02B 30/70>
D	Y02B 30/765	<administrative transfer to Y02B 30/70>
D	Y02B 30/767	<administrative transfer to Y02B 30/70>
D	Y02B 30/78	<administrative transfer to Y02B 30/70>
D	Y02B 30/80	<administrative transfer to Y02B 30/70>
D	Y02B 30/92	<administrative transfer to Y02B 30/90>
D	Y02B 30/94	<administrative transfer to Y02B 30/90>
D	Y02B 40/10	<administrative transfer to Y02B 40/00>
D	Y02B 40/12	<administrative transfer to Y02B 40/00>
D	Y02B 40/123	<administrative transfer to Y02B 40/00>
D	Y02B 40/126	<administrative transfer to Y02B 40/00>
D	Y02B 40/14	<administrative transfer to Y02B 40/00>
D	Y02B 40/143	<administrative transfer to Y02B 40/00>
D	Y02B 40/146	<administrative transfer to Y02B 40/00>
D	Y02B 40/16	<administrative transfer to Y02B 40/00>
D	Y02B 40/163	<administrative transfer to Y02B 40/00>
D	Y02B 40/166	<administrative transfer to Y02B 40/00>
D	Y02B 40/30	<administrative transfer to Y02B 40/00>
D	Y02B 40/32	<administrative transfer to Y02B 40/00>
D	Y02B 40/34	<administrative transfer to Y02B 40/00>
D	Y02B 40/40	<administrative transfer to Y02B 40/00>
D	Y02B 40/42	<administrative transfer to Y02B 40/00>
D	Y02B 40/44	<administrative transfer to Y02B 40/00>
D	Y02B 40/46	<administrative transfer to Y02B 40/00>
D	Y02B 40/50	<administrative transfer to Y02B 40/00>
D	Y02B 40/52	<administrative transfer to Y02B 40/00>
D	Y02B 40/54	<administrative transfer to Y02B 40/00>
D	Y02B 40/56	<administrative transfer to Y02B 40/00>
D	Y02B 40/58	<administrative transfer to Y02B 40/18>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02B 40/70	<administrative transfer to Y02B 40/00>
D	Y02B 40/72	<administrative transfer to Y02B 40/00>
D	Y02B 40/74	<administrative transfer to Y02B 40/18>
D	Y02B 40/80	<administrative transfer to Y02B 40/00>
D	Y02B 40/82	<administrative transfer to Y02B 40/00>
D	Y02B 40/84	<administrative transfer to Y02B 40/00>
D	Y02B 40/90	<administrative transfer to Y02B 40/00>
D	Y02B 50/10	<administrative transfer to Y02B 50/00>
D	Y02B 50/12	<administrative transfer to Y02B 50/00>
D	Y02B 50/122	<administrative transfer to Y02B 50/00>
D	Y02B 50/125	<administrative transfer to Y02B 50/00>
D	Y02B 50/127	<administrative transfer to Y02B 50/00>
D	Y02B 50/14	<administrative transfer to Y02B 50/00>
D	Y02B 50/142	<administrative transfer to Y02B 50/00>
D	Y02B 50/144	<administrative transfer to Y02B 50/00>
D	Y02B 50/146	<administrative transfer to Y02B 50/00>
D	Y02B 50/148	<administrative transfer to Y02B 50/00>
D	Y02B 50/20	<administrative transfer to Y02B 50/00>
D	Y02B 50/22	<administrative transfer to Y02B 50/00>
D	Y02B 50/225	<administrative transfer to Y02B 50/00>
D	Y02B 50/24	<administrative transfer to Y02B 50/00>
D	Y02B 70/12	<administrative transfer to Y02B 70/10>
D	Y02B 70/123	<administrative transfer to Y02B 70/10>
D	Y02B 70/126	<administrative transfer to Y02B 70/10>
D	Y02B 70/14	<administrative transfer to Y02B 70/10>
D	Y02B 70/1408	<administrative transfer to Y02B 70/10>
D	Y02B 70/1416	<administrative transfer to Y02B 70/10>
D	Y02B 70/1425	<administrative transfer to Y02B 70/10>
D	Y02B 70/1433	<administrative transfer to Y02B 70/10>
D	Y02B 70/1441	<administrative transfer to Y02B 70/10>
D	Y02B 70/145	<administrative transfer to Y02B 70/10>
D	Y02B 70/1458	<administrative transfer to Y02B 70/10>
D	Y02B 70/1466	<administrative transfer to Y02B 70/10>
D	Y02B 70/1475	<administrative transfer to Y02B 70/10>
D	Y02B 70/1483	<administrative transfer to Y02B 70/10>
D	Y02B 70/1491	<administrative transfer to Y02B 70/10>
D	Y02B 70/16	<administrative transfer to Y02B 70/10>
D	Y02B 70/32	<administrative transfer to Y02B 70/30>
D	Y02B 70/3208	<administrative transfer to Y02B 70/30>
D	Y02B 70/3216	<administrative transfer to Y02B 70/30>
D	Y02B 70/3233	<administrative transfer to Y02B 70/30>
D	Y02B 70/3241	<administrative transfer to Y02B 70/30>
D	Y02B 70/325	<administrative transfer to Y02B 70/30>
D	Y02B 70/3258	<administrative transfer to Y02B 70/30>
D	Y02B 70/3266	<administrative transfer to Y02B 70/30>
D	Y02B 70/3275	<administrative transfer to Y02B 70/30>
D	Y02B 70/3283	<administrative transfer to Y02B 70/30>
D	Y02B 70/3291	<administrative transfer to Y02B 70/30>
D	Y02B 70/343	<administrative transfer to Y02B 70/34>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02B 70/346	<administrative transfer to Y02B 70/34>
D	Y02B 80/12	<administrative transfer to Y02B 80/10>
D	Y02B 80/14	<administrative transfer to Y02B 80/10>
D	Y02B 80/20	<administrative transfer to Y02B 80/00>
D	Y02B 80/24	<administrative transfer to Y02B 80/22>
D	Y02B 80/26	<administrative transfer to Y02B 80/22>
D	Y02B 80/28	<administrative transfer to Y02B 80/00>
D	Y02B 80/30	<administrative transfer to Y02B 80/00>
D	Y02B 80/34	<administrative transfer to Y02B 80/00>
D	Y02B 80/40	<administrative transfer to Y02B 80/00>
D	Y02B 80/50	<administrative transfer to Y02B 80/00>
D	Y02B 90/12	<administrative transfer to Y02B 90/10>
D	Y02B 90/14	<administrative transfer to Y02B 90/10>
D	Y02B 90/16	<administrative transfer to Y02B 90/10>
D	Y02B 90/18	<administrative transfer to Y02B 90/10>
D	Y02B 90/22	<administrative transfer to Y02B 90/20>
D	Y02B 90/222	<administrative transfer to Y02B 90/20>
D	Y02B 90/224	<administrative transfer to Y02B 90/20>
D	Y02B 90/226	<administrative transfer to Y02B 90/20>
D	Y02B 90/228	<administrative transfer to Y02B 90/20>
D	Y02B 90/24	<administrative transfer to Y02B 90/20>
D	Y02B 90/241	<administrative transfer to Y02B 90/20>
D	Y02B 90/242	<administrative transfer to Y02B 90/20>
D	Y02B 90/243	<administrative transfer to Y02B 90/20>
D	Y02B 90/244	<administrative transfer to Y02B 90/20>
D	Y02B 90/245	<administrative transfer to Y02B 90/20>
D	Y02B 90/246	<administrative transfer to Y02B 90/20>
D	Y02B 90/247	<administrative transfer to Y02B 90/20>
D	Y02B 90/248	<administrative transfer to Y02B 90/20>
D	Y02B 90/26	<administrative transfer to Y02B 90/20>
D	Y02B 90/2607	<administrative transfer to Y02B 90/20>
D	Y02B 90/2615	<administrative transfer to Y02B 90/20>
D	Y02B 90/2623	<administrative transfer to Y02B 90/20>
D	Y02B 90/263	<administrative transfer to Y02B 90/20>
D	Y02B 90/2638	<administrative transfer to Y02B 90/20>
D	Y02B 90/2646	<administrative transfer to Y02B 90/20>
D	Y02B 90/2653	<administrative transfer to Y02B 90/20>
D	Y02B 90/2661	<administrative transfer to Y02B 90/20>
D	Y02B 90/2669	<administrative transfer to Y02B 90/20>
D	Y02B 90/2676	<administrative transfer to Y02B 90/20>
D	Y02B 90/2684	<administrative transfer to Y02B 90/20>
D	Y02B 90/2692	<administrative transfer to Y02B 90/20>
D	Y02C 10/00	<administrative transfer to Y02C 20/40>
D	Y02C 10/02	<administrative transfer to Y02C 20/40>
D	Y02C 10/04	<administrative transfer to Y02C 20/40>
D	Y02C 10/06	<administrative transfer to Y02C 20/40>
D	Y02C 10/08	<administrative transfer to Y02C 20/40>
D	Y02C 10/10	<administrative transfer to Y02C 20/40>
D	Y02C 10/12	<administrative transfer to Y02C 20/40>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02C 10/14	<administrative transfer to Y02C 20/40>
D	Y02D 10/10	<administrative transfer to Y02D 10/00>
D	Y02D 10/11	<administrative transfer to Y02D 10/00>
D	Y02D 10/12	<administrative transfer to Y02D 10/00>
D	Y02D 10/122	<administrative transfer to Y02D 10/00>
D	Y02D 10/124	<administrative transfer to Y02D 10/00>
D	Y02D 10/126	<administrative transfer to Y02D 10/00>
D	Y02D 10/128	<administrative transfer to Y02D 10/00>
D	Y02D 10/13	<administrative transfer to Y02D 10/00>
D	Y02D 10/14	<administrative transfer to Y02D 10/00>
D	Y02D 10/15	<administrative transfer to Y02D 10/00>
D	Y02D 10/151	<administrative transfer to Y02D 10/00>
D	Y02D 10/152	<administrative transfer to Y02D 10/00>
D	Y02D 10/153	<administrative transfer to Y02D 10/00>
D	Y02D 10/154	<administrative transfer to Y02D 10/00>
D	Y02D 10/1542	<administrative transfer to Y02D 10/00>
D	Y02D 10/155	<administrative transfer to Y02D 10/00>
D	Y02D 10/156	<administrative transfer to Y02D 10/00>
D	Y02D 10/157	<administrative transfer to Y02D 10/00>
D	Y02D 10/158	<administrative transfer to Y02D 10/00>
D	Y02D 10/159	<administrative transfer to Y02D 10/00>
D	Y02D 10/1592	<administrative transfer to Y02D 10/00>
D	Y02D 10/16	<administrative transfer to Y02D 10/00>
D	Y02D 10/17	<administrative transfer to Y02D 10/00>
D	Y02D 10/171	<administrative transfer to Y02D 10/00>
D	Y02D 10/172	<administrative transfer to Y02D 10/00>
D	Y02D 10/173	<administrative transfer to Y02D 10/00>
D	Y02D 10/174	<administrative transfer to Y02D 10/00>
D	Y02D 10/175	<administrative transfer to Y02D 10/00>
D	Y02D 10/20	<administrative transfer to Y02D 10/00>
D	Y02D 10/22	<administrative transfer to Y02D 10/00>
D	Y02D 10/24	<administrative transfer to Y02D 10/00>
D	Y02D 10/26	<administrative transfer to Y02D 10/00>
D	Y02D 10/28	<administrative transfer to Y02D 10/00>
D	Y02D 10/30	<administrative transfer to Y02D 10/00>
D	Y02D 10/32	<administrative transfer to Y02D 10/00>
D	Y02D 10/34	<administrative transfer to Y02D 10/00>
D	Y02D 10/36	<administrative transfer to Y02D 10/00>
D	Y02D 10/40	<administrative transfer to Y02D 10/00>
D	Y02D 10/41	<administrative transfer to Y02D 10/00>
D	Y02D 10/42	<administrative transfer to Y02D 10/00>
D	Y02D 10/43	<administrative transfer to Y02D 10/00>
D	Y02D 10/44	<administrative transfer to Y02D 10/00>
D	Y02D 10/45	<administrative transfer to Y02D 10/00>
D	Y02D 30/10	<administrative transfer to Y02D 30/00>
D	Y02D 30/20	<administrative transfer to Y02D 30/00>
D	Y02D 30/30	<administrative transfer to Y02D 30/00>
D	Y02D 30/32	<administrative transfer to Y02D 30/00>
D	Y02D 30/34	<administrative transfer to Y02D 30/00>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02D 30/40	<administrative transfer to Y02D 30/00>
D	Y02D 50/00	<administrative transfer to Y02D 30/50>
D	Y02D 50/10	<administrative transfer to Y02D 30/50>
D	Y02D 50/20	<administrative transfer to Y02D 30/50>
D	Y02D 50/30	<administrative transfer to Y02D 30/50>
D	Y02D 50/40	<administrative transfer to Y02D 30/50>
D	Y02D 50/42	<administrative transfer to Y02D 30/50>
D	Y02D 50/44	<administrative transfer to Y02D 30/50>
D	Y02D 70/00	<administrative transfer to Y02D 30/70>
D	Y02D 70/10	<administrative transfer to Y02D 30/70>
D	Y02D 70/12	<administrative transfer to Y02D 30/70>
D	Y02D 70/122	<administrative transfer to Y02D 30/70>
D	Y02D 70/1222	<administrative transfer to Y02D 30/70>
D	Y02D 70/1224	<administrative transfer to Y02D 30/70>
D	Y02D 70/1226	<administrative transfer to Y02D 30/70>
D	Y02D 70/124	<administrative transfer to Y02D 30/70>
D	Y02D 70/1242	<administrative transfer to Y02D 30/70>
D	Y02D 70/1244	<administrative transfer to Y02D 30/70>
D	Y02D 70/1246	<administrative transfer to Y02D 30/70>
D	Y02D 70/126	<administrative transfer to Y02D 30/70>
D	Y02D 70/1262	<administrative transfer to Y02D 30/70>
D	Y02D 70/1264	<administrative transfer to Y02D 30/70>
D	Y02D 70/14	<administrative transfer to Y02D 30/70>
D	Y02D 70/142	<administrative transfer to Y02D 30/70>
D	Y02D 70/144	<administrative transfer to Y02D 30/70>
D	Y02D 70/146	<administrative transfer to Y02D 30/70>
D	Y02D 70/16	<administrative transfer to Y02D 30/70>
D	Y02D 70/162	<administrative transfer to Y02D 30/70>
D	Y02D 70/164	<administrative transfer to Y02D 30/70>
D	Y02D 70/166	<administrative transfer to Y02D 30/70>
D	Y02D 70/168	<administrative transfer to Y02D 30/70>
D	Y02D 70/20	<administrative transfer to Y02D 30/70>
D	Y02D 70/21	<administrative transfer to Y02D 30/70>
D	Y02D 70/22	<administrative transfer to Y02D 30/70>
D	Y02D 70/23	<administrative transfer to Y02D 30/70>
D	Y02D 70/24	<administrative transfer to Y02D 30/70>
D	Y02D 70/25	<administrative transfer to Y02D 30/70>
D	Y02D 70/26	<administrative transfer to Y02D 30/70>
D	Y02D 70/30	<administrative transfer to Y02D 30/70>
D	Y02D 70/32	<administrative transfer to Y02D 30/70>
D	Y02D 70/322	<administrative transfer to Y02D 30/70>
D	Y02D 70/324	<administrative transfer to Y02D 30/70>
D	Y02D 70/326	<administrative transfer to Y02D 30/70>
D	Y02D 70/34	<administrative transfer to Y02D 30/70>
D	Y02D 70/38	<administrative transfer to Y02D 30/70>
D	Y02D 70/39	<administrative transfer to Y02D 30/70>
D	Y02D 70/40	<administrative transfer to Y02D 30/70>
D	Y02D 70/42	<administrative transfer to Y02D 30/70>
D	Y02D 70/44	<administrative transfer to Y02D 30/70>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02D 70/442	<administrative transfer to Y02D 30/70>
D	Y02D 70/444	<administrative transfer to Y02D 30/70>
D	Y02D 70/446	<administrative transfer to Y02D 30/70>
D	Y02D 70/448	<administrative transfer to Y02D 30/70>
D	Y02D 70/449	<administrative transfer to Y02D 30/70>
D	Y02D 70/46	<administrative transfer to Y02D 30/70>
D	Y02D 70/48	<administrative transfer to Y02D 30/70>
D	Y02E 10/12	<administrative transfer to Y02E 10/10>
D	Y02E 10/125	<administrative transfer to Y02E 10/10>
D	Y02E 10/14	<administrative transfer to Y02E 10/10>
D	Y02E 10/16	<administrative transfer to Y02E 10/10>
D	Y02E 10/18	<administrative transfer to Y02E 10/10>
D	Y02E 10/22	<administrative transfer to Y02E 10/20>
D	Y02E 10/223	<administrative transfer to Y02E 10/20>
D	Y02E 10/226	<administrative transfer to Y02E 10/20>
D	Y02E 10/28	<administrative transfer to Y02E 10/20>
D	Y02E 10/32	<administrative transfer to Y02E 10/30>
D	Y02E 10/34	<administrative transfer to Y02E 10/30>
D	Y02E 10/36	<administrative transfer to Y02E 10/30>
D	Y02E 10/38	<administrative transfer to Y02E 10/30>
D	Y02E 10/41	<administrative transfer to Y02E 10/40>
D	Y02E 10/42	<administrative transfer to Y02E 10/40>
D	Y02E 10/43	<administrative transfer to Y02E 10/40>
D	Y02E 10/45	<administrative transfer to Y02E 10/40>
D	Y02E 10/465	<administrative transfer to Y02E 10/46>
D	Y02E 10/54	<administrative transfer to Y02E 10/50>
D	Y02E 10/563	<administrative transfer to Y02E 10/56>
D	Y02E 10/566	<administrative transfer to Y02E 10/56>
D	Y02E 10/58	<administrative transfer to Y02E 10/56>
D	Y02E 10/721	<administrative transfer to Y02E 10/72>
D	Y02E 10/722	<administrative transfer to Y02E 10/72>
D	Y02E 10/723	<administrative transfer to Y02E 10/72>
D	Y02E 10/725	<administrative transfer to Y02E 10/72>
D	Y02E 10/726	<administrative transfer to Y02E 10/72>
D	Y02E 10/763	<administrative transfer to Y02E 10/76>
D	Y02E 10/766	<administrative transfer to Y02E 10/76>
D	Y02E 20/10	<administrative transfer to Y02E 20/00>
D	Y02E 20/185	<administrative transfer to Y02E 20/18>
D	Y02E 20/322	<administrative transfer to Y02E 20/32>
D	Y02E 20/324	<administrative transfer to Y02E 20/32>
D	Y02E 20/326	<administrative transfer to Y02E 20/32>
D	Y02E 20/328	<administrative transfer to Y02E 20/32>
D	Y02E 20/342	<administrative transfer to Y02E 20/34>
D	Y02E 20/344	<administrative transfer to Y02E 20/34>
D	Y02E 20/346	<administrative transfer to Y02E 20/34>
D	Y02E 20/348	<administrative transfer to Y02E 20/34>
D	Y02E 20/36	<administrative transfer to Y02E 20/30>
D	Y02E 20/363	<administrative transfer to Y02E 20/30>
D	Y02E 20/366	<administrative transfer to Y02E 20/30>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02E 30/12	<administrative transfer to Y02E 30/10>
D	Y02E 30/122	<administrative transfer to Y02E 30/10>
D	Y02E 30/124	<administrative transfer to Y02E 30/10>
D	Y02E 30/126	<administrative transfer to Y02E 30/10>
D	Y02E 30/128	<administrative transfer to Y02E 30/10>
D	Y02E 30/14	<administrative transfer to Y02E 30/10>
D	Y02E 30/16	<administrative transfer to Y02E 30/10>
D	Y02E 30/18	<administrative transfer to Y02E 30/10>
D	Y02E 30/31	<administrative transfer to Y02E 30/30>
D	Y02E 30/32	<administrative transfer to Y02E 30/30>
D	Y02E 30/33	<administrative transfer to Y02E 30/30>
D	Y02E 30/34	<administrative transfer to Y02E 30/30>
D	Y02E 30/35	<administrative transfer to Y02E 30/30>
D	Y02E 30/36	<administrative transfer to Y02E 30/30>
D	Y02E 30/37	<administrative transfer to Y02E 30/30>
D	Y02E 30/38	<administrative transfer to Y02E 30/30>
D	Y02E 30/39	<administrative transfer to Y02E 30/30>
D	Y02E 30/40	<administrative transfer to Y02E 30/30>
D	Y02E 40/12	<administrative transfer to Y02E 40/10>
D	Y02E 40/14	<administrative transfer to Y02E 40/10>
D	Y02E 40/16	<administrative transfer to Y02E 40/10>
D	Y02E 40/18	<administrative transfer to Y02E 40/10>
D	Y02E 40/22	<administrative transfer to Y02E 40/20>
D	Y02E 40/24	<administrative transfer to Y02E 40/20>
D	Y02E 40/26	<administrative transfer to Y02E 40/20>
D	Y02E 40/32	<administrative transfer to Y02E 40/30>
D	Y02E 40/34	<administrative transfer to Y02E 40/30>
D	Y02E 40/62	<administrative transfer to Y02E 40/60>
D	Y02E 40/622	<administrative transfer to Y02E 40/60>
D	Y02E 40/625	<administrative transfer to Y02E 40/60>
D	Y02E 40/627	<administrative transfer to Y02E 40/60>
D	Y02E 40/64	<administrative transfer to Y02E 40/60>
D	Y02E 40/641	<administrative transfer to Y02E 40/60>
D	Y02E 40/642	<administrative transfer to Y02E 40/60>
D	Y02E 40/644	<administrative transfer to Y02E 40/60>
D	Y02E 40/645	<administrative transfer to Y02E 40/60>
D	Y02E 40/647	<administrative transfer to Y02E 40/60>
D	Y02E 40/648	<administrative transfer to Y02E 40/60>
D	Y02E 40/66	<administrative transfer to Y02E 40/60>
D	Y02E 40/67	<administrative transfer to Y02E 40/60>
D	Y02E 40/68	<administrative transfer to Y02E 40/60>
D	Y02E 40/69	<administrative transfer to Y02E 40/60>
D	Y02E 40/72	<administrative transfer to Y02E 40/70>
D	Y02E 40/725	<administrative transfer to Y02E 40/70>
D	Y02E 40/74	<administrative transfer to Y02E 40/70>
D	Y02E 40/76	<administrative transfer to Y02E 40/70>
D	Y02E 50/11	<administrative transfer to Y02E 50/10>
D	Y02E 50/12	<administrative transfer to Y02E 50/10>
D	Y02E 50/13	<administrative transfer to Y02E 50/10>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02E 50/14	<administrative transfer to Y02E 50/10>
D	Y02E 50/15	<administrative transfer to Y02E 50/10>
D	Y02E 50/16	<administrative transfer to Y02E 50/10>
D	Y02E 50/17	<administrative transfer to Y02E 50/10>
D	Y02E 50/18	<administrative transfer to Y02E 50/10>
D	Y02E 50/32	<administrative transfer to Y02E 50/30>
D	Y02E 50/34	<administrative transfer to Y02E 50/30>
D	Y02E 50/343	<administrative transfer to Y02E 50/30>
D	Y02E 50/346	<administrative transfer to Y02E 50/30>
D	Y02E 60/12	<administrative transfer to Y02E 60/10>
D	Y02E 60/122	<administrative transfer to Y02E 60/10>
D	Y02E 60/124	<administrative transfer to Y02E 60/10>
D	Y02E 60/126	<administrative transfer to Y02E 60/10>
D	Y02E 60/128	<administrative transfer to Y02E 60/10>
D	Y02E 60/142	<administrative transfer to Y02E 60/14>
D	Y02E 60/145	<administrative transfer to Y02E 60/14>
D	Y02E 60/147	<administrative transfer to Y02E 60/14>
D	Y02E 60/15	<administrative transfer to Y02E 60/16>
D	Y02E 60/17	<administrative transfer to Y02E 60/16>
D	Y02E 60/321	<administrative transfer to Y02E 60/32>
D	Y02E 60/322	<administrative transfer to Y02E 60/32>
D	Y02E 60/324	<administrative transfer to Y02E 60/32>
D	Y02E 60/325	<administrative transfer to Y02E 60/32>
D	Y02E 60/327	<administrative transfer to Y02E 60/32>
D	Y02E 60/328	<administrative transfer to Y02E 60/32>
D	Y02E 60/362	<administrative transfer to Y02E 60/36>
D	Y02E 60/364	<administrative transfer to Y02E 60/36>
D	Y02E 60/366	<administrative transfer to Y02E 60/36>
D	Y02E 60/368	<administrative transfer to Y02E 60/36>
D	Y02E 60/52	<administrative transfer to Y02E 60/50>
D	Y02E 60/521	<administrative transfer to Y02E 60/50>
D	Y02E 60/522	<administrative transfer to Y02E 60/50>
D	Y02E 60/523	<administrative transfer to Y02E 60/50>
D	Y02E 60/525	<administrative transfer to Y02E 60/50>
D	Y02E 60/526	<administrative transfer to Y02E 60/50>
D	Y02E 60/527	<administrative transfer to Y02E 60/50>
D	Y02E 60/528	<administrative transfer to Y02E 60/50>
D	Y02E 60/56	<administrative transfer to Y02E 60/50>
D	Y02E 60/563	<administrative transfer to Y02E 60/50>
D	Y02E 60/566	<administrative transfer to Y02E 60/50>
D	Y02E 60/70	<administrative transfer to Y02E 60/00>
D	Y02E 60/72	<administrative transfer to Y02E 60/00>
D	Y02E 60/721	<administrative transfer to Y02E 60/00>
D	Y02E 60/722	<administrative transfer to Y02E 60/00>
D	Y02E 60/723	<administrative transfer to Y02E 60/00>
D	Y02E 60/724	<administrative transfer to Y02E 60/00>
D	Y02E 60/725	<administrative transfer to Y02E 60/00>
D	Y02E 60/726	<administrative transfer to Y02E 60/00>
D	Y02E 60/727	<administrative transfer to Y02E 60/00>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02E 60/728	<administrative transfer to Y02E 60/00>
D	Y02E 60/74	<administrative transfer to Y02E 60/00>
D	Y02E 60/76	<administrative transfer to Y02E 60/00>
D	Y02E 60/78	<administrative transfer to Y02E 60/00>
D	Y02E 60/7807	<administrative transfer to Y02E 60/00>
D	Y02E 60/7815	<administrative transfer to Y02E 60/00>
D	Y02E 60/7823	<administrative transfer to Y02E 60/00>
D	Y02E 60/783	<administrative transfer to Y02E 60/00>
D	Y02E 60/7838	<administrative transfer to Y02E 60/00>
D	Y02E 60/7846	<administrative transfer to Y02E 60/00>
D	Y02E 60/7853	<administrative transfer to Y02E 60/00>
D	Y02E 60/7861	<administrative transfer to Y02E 60/00>
D	Y02E 60/7869	<administrative transfer to Y02E 60/00>
D	Y02E 60/7876	<administrative transfer to Y02E 60/00>
D	Y02E 60/7884	<administrative transfer to Y02E 60/00>
D	Y02E 60/7892	<administrative transfer to Y02E 60/00>
D	Y02E 70/10	<administrative transfer to Y02E 60/36>
D	Y02E 70/20	<administrative transfer to Y02E 60/50>
D	Y02E 70/40	<administrative transfer to Y02E 60/10 and Y02E 60/13 simultaneously>
D	Y02P 10/12	<administrative transfer to Y02P 10/10>
D	Y02P 10/124	<administrative transfer to Y02P 10/122>
D	Y02P 10/126	<administrative transfer to Y02P 10/122>
D	Y02P 10/128	<administrative transfer to Y02P 10/122>
D	Y02P 10/13	<administrative transfer to Y02P 10/122>
D	Y02P 10/132	<administrative transfer to Y02P 10/122>
D	Y02P 10/136	<administrative transfer to Y02P 10/134>
D	Y02P 10/138	<administrative transfer to Y02P 10/134>
D	Y02P 10/14	<administrative transfer to Y02P 10/10>
D	Y02P 10/21	<administrative transfer to Y02P 10/20>
D	Y02P 10/212	<administrative transfer to Y02P 10/20>
D	Y02P 10/214	<administrative transfer to Y02P 10/20>
D	Y02P 10/216	<administrative transfer to Y02P 10/20>
D	Y02P 10/218	<administrative transfer to Y02P 10/20>
D	Y02P 10/22	<administrative transfer to Y02P 10/20>
D	Y02P 10/224	<administrative transfer to Y02P 10/20>
D	Y02P 10/226	<administrative transfer to Y02P 10/20>
D	Y02P 10/228	<administrative transfer to Y02P 10/20>
D	Y02P 10/23	<administrative transfer to Y02P 10/20>
D	Y02P 10/232	<administrative transfer to Y02P 10/20>
D	Y02P 10/234	<administrative transfer to Y02P 10/20>
D	Y02P 10/236	<administrative transfer to Y02P 10/20>
D	Y02P 10/238	<administrative transfer to Y02P 10/20>
D	Y02P 10/24	<administrative transfer to Y02P 10/20>
D	Y02P 10/242	<administrative transfer to Y02P 10/20>
D	Y02P 10/253	<administrative transfer to Y02P 10/25>
D	Y02P 10/256	<administrative transfer to Y02P 10/25>
D	Y02P 10/259	<administrative transfer to Y02P 10/25>
D	Y02P 10/262	<administrative transfer to Y02P 10/25>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02P 10/265	<administrative transfer to Y02P 10/25>
D	Y02P 10/268	<administrative transfer to Y02P 10/25>
D	Y02P 10/271	<administrative transfer to Y02P 10/25>
D	Y02P 10/274	<administrative transfer to Y02P 10/25>
D	Y02P 10/277	<administrative transfer to Y02P 10/25>
D	Y02P 10/28	<administrative transfer to Y02P 10/25>
D	Y02P 10/283	<administrative transfer to Y02P 10/25>
D	Y02P 10/286	<administrative transfer to Y02P 10/25>
D	Y02P 10/29	<administrative transfer to Y02P 10/25>
D	Y02P 10/292	<administrative transfer to Y02P 10/25>
D	Y02P 10/295	<administrative transfer to Y02P 10/25>
D	Y02P 10/30	<administrative transfer to Y02P 10/25>
D	Y02P 10/34	<administrative transfer to Y02P 10/32>
D	Y02P 20/12	<administrative transfer to Y02P 20/10>
D	Y02P 20/121	<administrative transfer to Y02P 20/10>
D	Y02P 20/122	<administrative transfer to Y02P 20/10>
D	Y02P 20/123	<administrative transfer to Y02P 20/10>
D	Y02P 20/124	<administrative transfer to Y02P 20/10>
D	Y02P 20/125	<administrative transfer to Y02P 20/10>
D	Y02P 20/126	<administrative transfer to Y02P 20/10>
D	Y02P 20/127	<administrative transfer to Y02P 20/10>
D	Y02P 20/128	<administrative transfer to Y02P 20/10>
D	Y02P 20/13	<administrative transfer to Y02P 20/129>
D	Y02P 20/131	<administrative transfer to Y02P 20/129>
D	Y02P 20/132	<administrative transfer to Y02P 20/129>
D	Y02P 20/134	<administrative transfer to Y02P 20/133>
D	Y02P 20/135	<administrative transfer to Y02P 20/133>
D	Y02P 20/136	<administrative transfer to Y02P 20/133>
D	Y02P 20/14	<administrative transfer to Y02P 20/00>
D	Y02P 20/142	<administrative transfer to Y02P 20/141>
D	Y02P 20/144	<administrative transfer to Y02P 20/143>
D	Y02P 20/146	<administrative transfer to Y02P 20/00>
D	Y02P 20/147	<administrative transfer to Y02P 20/141>
D	Y02P 20/148	<administrative transfer to Y02P 20/143>
D	Y02P 20/149	<administrative transfer to Y02P 20/141>
D	Y02P 20/15	<administrative transfer to Y02P 20/141>
D	Y02P 20/152	<administrative transfer to Y02P 20/151>
D	Y02P 20/153	<administrative transfer to Y02P 20/151>
D	Y02P 20/154	<administrative transfer to Y02P 20/151>
D	Y02P 20/22	<administrative transfer to Y02P 20/20>
D	Y02P 20/224	<administrative transfer to Y02P 20/20>
D	Y02P 20/228	<administrative transfer to Y02P 20/20>
D	Y02P 20/32	<administrative transfer to Y02P 20/30>
D	Y02P 20/324	<administrative transfer to Y02P 20/30>
D	Y02P 20/328	<administrative transfer to Y02P 20/30>
D	Y02P 20/42	<administrative transfer to Y02P 20/40>
D	Y02P 20/424	<administrative transfer to Y02P 20/40>
D	Y02P 20/51	<administrative transfer to Y02P 20/50>
D	Y02P 20/514	<administrative transfer to Y02P 20/50>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02P 20/518	<administrative transfer to Y02P 20/50>
D	Y02P 20/542	<administrative transfer to Y02P 20/54>
D	Y02P 20/544	<administrative transfer to Y02P 20/54>
D	Y02P 20/546	<administrative transfer to Y02P 20/54>
D	Y02P 20/57	<administrative transfer to Y02P 20/50>
D	Y02P 20/572	<administrative transfer to Y02P 20/50>
D	Y02P 20/58	<administrative transfer to Y02P 20/50>
D	Y02P 20/586	<administrative transfer to Y02P 20/50>
D	Y02P 20/588	<administrative transfer to Y02P 20/50>
D	Y02P 30/10	<administrative transfer to Y02P 30/00>
D	Y02P 30/30	<administrative transfer to Y02P 30/00>
D	Y02P 30/42	<administrative transfer to Y02P 30/20 and Y02P 30/40 simultaneously>
D	Y02P 30/44	<administrative transfer to Y02P 30/40>
D	Y02P 30/442	<administrative transfer to Y02P 30/40>
D	Y02P 30/444	<administrative transfer to Y02P 30/40>
D	Y02P 30/446	<administrative transfer to Y02P 30/40>
D	Y02P 30/46	<administrative transfer to Y02P 30/40>
D	Y02P 30/462	<administrative transfer to Y02P 30/40>
D	Y02P 30/464	<administrative transfer to Y02P 30/40>
D	Y02P 30/48	<administrative transfer to Y02P 30/40>
D	Y02P 40/12	<administrative transfer to Y02P 40/10>
D	Y02P 40/123	<administrative transfer to Y02P 40/121>
D	Y02P 40/126	<administrative transfer to Y02P 40/125>
D	Y02P 40/128	<administrative transfer to Y02P 40/125>
D	Y02P 40/14	<administrative transfer to Y02P 40/10>
D	Y02P 40/141	<administrative transfer to Y02P 40/10>
D	Y02P 40/143	<administrative transfer to Y02P 40/10>
D	Y02P 40/145	<administrative transfer to Y02P 40/10>
D	Y02P 40/146	<administrative transfer to Y02P 40/10>
D	Y02P 40/148	<administrative transfer to Y02P 40/10>
D	Y02P 40/16	<administrative transfer to Y02P 40/10>
D	Y02P 40/165	<administrative transfer to Y02P 40/10>
D	Y02P 40/20	<administrative transfer to Y02P 40/10>
D	Y02P 40/30	<administrative transfer to Y02P 40/00>
D	Y02P 40/42	<administrative transfer to Y02P 40/40>
D	Y02P 40/44	<administrative transfer to Y02P 40/40>
D	Y02P 40/47	<administrative transfer to Y02P 40/40>
D	Y02P 40/49	<administrative transfer to Y02P 40/40>
D	Y02P 40/51	<administrative transfer to Y02P 40/50>
D	Y02P 40/52	<administrative transfer to Y02P 40/50>
D	Y02P 40/53	<administrative transfer to Y02P 40/50>
D	Y02P 40/535	<administrative transfer to Y02P 40/50>
D	Y02P 40/55	<administrative transfer to Y02P 40/50>
D	Y02P 40/56	<administrative transfer to Y02P 40/50>
D	Y02P 40/58	<administrative transfer to Y02P 40/50>
D	Y02P 40/59	<administrative transfer to Y02P 40/50>
D	Y02P 40/61	<administrative transfer to Y02P 40/60>
D	Y02P 40/615	<administrative transfer to Y02P 40/60>

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Type*	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	Y02P 40/63	<administrative transfer to Y02P 40/60>
D	Y02P 40/65	<administrative transfer to Y02P 40/60>
D	Y02P 40/67	<administrative transfer to Y02P 40/60>
D	Y02P 40/69	<administrative transfer to Y02P 40/60>
D	Y02P 60/10	<administrative transfer to Y02P 60/00>
D	Y02P 60/122	<administrative transfer to Y02P 60/12>
D	Y02P 60/124	<administrative transfer to Y02P 60/12>
D	Y02P 60/141	<administrative transfer to Y02P 60/14>
D	Y02P 60/142	<administrative transfer to Y02P 60/14>
D	Y02P 60/144	<administrative transfer to Y02P 60/14>
D	Y02P 60/146	<administrative transfer to Y02P 60/14>
D	Y02P 60/147	<administrative transfer to Y02P 60/14>
D	Y02P 60/148	<administrative transfer to Y02P 60/14>
D	Y02P 60/149	<administrative transfer to Y02P 60/14>
D	Y02P 60/15	<administrative transfer to Y02P 60/14>
D	Y02P 60/16	<administrative transfer to Y02P 60/00>
D	Y02P 60/18	<administrative transfer to Y02P 60/00>
D	Y02P 60/212	<administrative transfer to Y02P 60/21>
D	Y02P 60/214	<administrative transfer to Y02P 60/21>
D	Y02P 60/215	<administrative transfer to Y02P 60/21>
D	Y02P 60/216	<administrative transfer to Y02P 60/21>
D	Y02P 60/218	<administrative transfer to Y02P 60/21>
D	Y02P 60/23	<administrative transfer to Y02P 60/20>
D	Y02P 60/24	<administrative transfer to Y02P 60/20>
D	Y02P 60/242	<administrative transfer to Y02P 60/20>
D	Y02P 60/244	<administrative transfer to Y02P 60/20>
D	Y02P 60/246	<administrative transfer to Y02P 60/20>
D	Y02P 60/247	<administrative transfer to Y02P 60/20>
D	Y02P 60/25	<administrative transfer to Y02P 60/20>
D	Y02P 60/521	<administrative transfer to Y02P 60/52>
D	Y02P 60/524	<administrative transfer to Y02P 60/52>
D	Y02P 60/526	<administrative transfer to Y02P 60/52>
D	Y02P 60/528	<administrative transfer to Y02P 60/52>
D	Y02P 60/54	<administrative transfer to Y02P 60/50>
D	Y02P 60/542	<administrative transfer to Y02P 60/12>
D	Y02P 60/56	<administrative transfer to Y02P 60/22>
D	Y02P 60/62	<administrative transfer to Y02P 60/60>
D	Y02P 60/64	<administrative transfer to Y02P 60/60>
D	Y02P 60/642	<administrative transfer to Y02P 60/60>
D	Y02P 60/70	<administrative transfer to Y02P 60/00>
D	Y02P 60/81	<administrative transfer to Y02P 60/12>
D	Y02P 60/83	<administrative transfer to Y02P 60/80>
D	Y02P 60/831	<administrative transfer to Y02P 60/80>
D	Y02P 60/833	<administrative transfer to Y02P 60/80>
D	Y02P 60/835	<administrative transfer to Y02P 60/80>
D	Y02P 60/851	<administrative transfer to Y02P 60/85>
D	Y02P 60/853	<administrative transfer to Y02P 60/85>
D	Y02P 60/855	<administrative transfer to Y02P 60/85>
D	Y02P 60/871	<administrative transfer to Y02P 60/87>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02P 60/873	<administrative transfer to Y02P 60/87>
D	Y02P 60/875	<administrative transfer to Y02P 60/87>
D	Y02P 60/877	<administrative transfer to Y02P 60/87>
D	Y02P 60/89	<administrative transfer to Y02P 60/87>
D	Y02P 60/891	<administrative transfer to Y02P 60/87>
D	Y02P 70/12	<administrative transfer to Y02P 70/10>
D	Y02P 70/121	<administrative transfer to Y02P 70/10>
D	Y02P 70/123	<administrative transfer to Y02P 70/10>
D	Y02P 70/125	<administrative transfer to Y02P 70/10>
D	Y02P 70/127	<administrative transfer to Y02P 70/10>
D	Y02P 70/129	<administrative transfer to Y02P 70/10>
D	Y02P 70/131	<administrative transfer to Y02P 70/10>
D	Y02P 70/133	<administrative transfer to Y02P 70/10>
D	Y02P 70/135	<administrative transfer to Y02P 70/10>
D	Y02P 70/137	<administrative transfer to Y02P 70/10>
D	Y02P 70/139	<administrative transfer to Y02P 70/10>
D	Y02P 70/141	<administrative transfer to Y02P 70/10>
D	Y02P 70/143	<administrative transfer to Y02P 70/10>
D	Y02P 70/145	<administrative transfer to Y02P 70/10>
D	Y02P 70/16	<administrative transfer to Y02P 70/10>
D	Y02P 70/161	<administrative transfer to Y02P 70/10>
D	Y02P 70/163	<administrative transfer to Y02P 70/10>
D	Y02P 70/167	<administrative transfer to Y02P 70/10>
D	Y02P 70/169	<administrative transfer to Y02P 70/10>
D	Y02P 70/171	<administrative transfer to Y02P 70/10>
D	Y02P 70/173	<administrative transfer to Y02P 70/10>
D	Y02P 70/175	<administrative transfer to Y02P 70/10>
D	Y02P 70/177	<administrative transfer to Y02P 70/10>
D	Y02P 70/179	<administrative transfer to Y02P 70/10>
D	Y02P 70/181	<administrative transfer to Y02P 70/10>
D	Y02P 70/183	<administrative transfer to Y02P 70/10>
D	Y02P 70/185	<administrative transfer to Y02P 70/10>
D	Y02P 70/187	<administrative transfer to Y02P 70/10>
D	Y02P 70/20	<administrative transfer to Y02P 70/10>
D	Y02P 70/22	<administrative transfer to Y02P 70/10>
D	Y02P 70/24	<administrative transfer to Y02P 70/10>
D	Y02P 70/26	<administrative transfer to Y02P 70/10>
D	Y02P 70/261	<administrative transfer to Y02P 70/10>
D	Y02P 70/263	<administrative transfer to Y02P 70/10>
D	Y02P 70/265	<administrative transfer to Y02P 70/10>
D	Y02P 70/267	<administrative transfer to Y02P 70/10>
D	Y02P 70/269	<administrative transfer to Y02P 70/10>
D	Y02P 70/271	<administrative transfer to Y02P 70/10>
D	Y02P 70/273	<administrative transfer to Y02P 70/10>
D	Y02P 70/275	<administrative transfer to Y02P 70/10>
D	Y02P 70/277	<administrative transfer to Y02P 70/10>
D	Y02P 70/279	<administrative transfer to Y02P 70/10>
D	Y02P 70/281	<administrative transfer to Y02P 70/10>
D	Y02P 70/30	<administrative transfer to Y02P 70/10>

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Type*	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	Y02P 70/32	<administrative transfer to Y02P 70/10>
D	Y02P 70/34	<administrative transfer to Y02P 70/10>
D	Y02P 70/36	<administrative transfer to Y02P 70/10>
D	Y02P 70/38	<administrative transfer to Y02P 70/10>
D	Y02P 70/40	<administrative transfer to Y02P 70/10>
D	Y02P 70/405	<administrative transfer to Y02P 70/10>
D	Y02P 70/52	<administrative transfer to Y02P 70/50>
D	Y02P 70/521	<administrative transfer to Y02P 70/50>
D	Y02P 70/523	<administrative transfer to Y02P 70/50>
D	Y02P 70/525	<administrative transfer to Y02P 70/50>
D	Y02P 70/527	<administrative transfer to Y02P 70/50>
D	Y02P 70/54	<administrative transfer to Y02P 70/50>
D	Y02P 70/56	<administrative transfer to Y02P 70/50>
D	Y02P 70/58	<administrative transfer to Y02P 70/50>
D	Y02P 70/585	<administrative transfer to Y02P 70/50>
D	Y02P 70/60	<administrative transfer to Y02P 70/50>
D	Y02P 70/601	<administrative transfer to Y02P 70/50>
D	Y02P 70/603	<administrative transfer to Y02P 70/50>
D	Y02P 70/605	<administrative transfer to Y02P 70/50>
D	Y02P 70/607	<administrative transfer to Y02P 70/50>
D	Y02P 70/609	<administrative transfer to Y02P 70/50>
D	Y02P 70/611	<administrative transfer to Y02P 70/50>
D	Y02P 70/613	<administrative transfer to Y02P 70/50>
D	Y02P 70/621	<administrative transfer to Y02P 70/62>
D	Y02P 70/623	<administrative transfer to Y02P 70/62>
D	Y02P 70/625	<administrative transfer to Y02P 70/62>
D	Y02P 70/627	<administrative transfer to Y02P 70/62>
D	Y02P 70/629	<administrative transfer to Y02P 70/62>
D	Y02P 70/631	<administrative transfer to Y02P 70/62>
D	Y02P 70/633	<administrative transfer to Y02P 70/62>
D	Y02P 70/635	<administrative transfer to Y02P 70/62>
D	Y02P 70/637	<administrative transfer to Y02P 70/62>
D	Y02P 70/639	<administrative transfer to Y02P 70/62>
D	Y02P 70/641	<administrative transfer to Y02P 70/62>
D	Y02P 70/643	<administrative transfer to Y02P 70/62>
D	Y02P 70/645	<administrative transfer to Y02P 70/62>
D	Y02P 70/647	<administrative transfer to Y02P 70/62>
D	Y02P 70/649	<administrative transfer to Y02P 70/62>
D	Y02P 70/651	<administrative transfer to Y02P 70/62>
D	Y02P 70/653	<administrative transfer to Y02P 70/62>
D	Y02P 70/66	<administrative transfer to Y02P 70/50>
D	Y02P 80/11	<administrative transfer to Y02P 80/10>
D	Y02P 80/112	<administrative transfer to Y02P 80/10>
D	Y02P 80/114	<administrative transfer to Y02P 80/10>
D	Y02P 80/116	<administrative transfer to Y02P 80/10>
D	Y02P 80/12	<administrative transfer to Y02P 80/10>
D	Y02P 80/13	<administrative transfer to Y02P 80/10>
D	Y02P 80/152	<administrative transfer to Y02P 80/15>
D	Y02P 80/154	<administrative transfer to Y02P 80/15>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02P 80/156	<administrative transfer to Y02P 80/10>
D	Y02P 80/158	<administrative transfer to Y02P 80/10>
D	Y02P 80/21	<administrative transfer to Y02P 80/20>
D	Y02P 80/22	<administrative transfer to Y02P 80/20>
D	Y02P 80/23	<administrative transfer to Y02P 80/20>
D	Y02P 80/24	<administrative transfer to Y02P 80/20>
D	Y02P 80/25	<administrative transfer to Y02P 80/20>
D	Y02P 90/04	<administrative transfer to Y02P 90/02>
D	Y02P 90/06	<administrative transfer to Y02P 90/02>
D	Y02P 90/08	<administrative transfer to Y02P 90/02>
D	Y02P 90/083	<administrative transfer to Y02P 90/02>
D	Y02P 90/087	<administrative transfer to Y02P 90/02>
D	Y02P 90/10	<administrative transfer to Y02P 90/02>
D	Y02P 90/12	<administrative transfer to Y02P 90/02>
D	Y02P 90/14	<administrative transfer to Y02P 90/02>
D	Y02P 90/16	<administrative transfer to Y02P 90/02>
D	Y02P 90/18	<administrative transfer to Y02P 90/02>
D	Y02P 90/185	<administrative transfer to Y02P 90/02>
D	Y02P 90/20	<administrative transfer to Y02P 90/02>
D	Y02P 90/205	<administrative transfer to Y02P 90/02>
D	Y02P 90/22	<administrative transfer to Y02P 90/02>
D	Y02P 90/24	<administrative transfer to Y02P 90/02>
D	Y02P 90/26	<administrative transfer to Y02P 90/02>
D	Y02P 90/265	<administrative transfer to Y02P 90/02>
D	Y02P 90/28	<administrative transfer to Y02P 90/02>
D	Y02P 90/285	<administrative transfer to Y02P 90/02>
D	Y02P 90/86	<administrative transfer to Y02P 90/80>
D	Y02T 10/121	<administrative transfer to Y02T 10/12>
D	Y02T 10/123	<administrative transfer to Y02T 10/12>
D	Y02T 10/125	<administrative transfer to Y02T 10/12>
D	Y02T 10/126	<administrative transfer to Y02T 10/12>
D	Y02T 10/128	<administrative transfer to Y02T 10/12>
D	Y02T 10/14	<administrative transfer to Y02T 10/12>
D	Y02T 10/142	<administrative transfer to Y02T 10/12>
D	Y02T 10/144	<administrative transfer to Y02T 10/12>
D	Y02T 10/146	<administrative transfer to Y02T 10/12>
D	Y02T 10/148	<administrative transfer to Y02T 10/12>
D	Y02T 10/16	<administrative transfer to Y02T 10/12>
D	Y02T 10/163	<administrative transfer to Y02T 10/12>
D	Y02T 10/166	<administrative transfer to Y02T 10/12>
D	Y02T 10/17	<administrative transfer to Y02T 10/12>
D	Y02T 10/18	<administrative transfer to Y02T 10/12>
D	Y02T 10/20	<administrative transfer to Y02T 10/12>
D	Y02T 10/22	<administrative transfer to Y02T 10/12>
D	Y02T 10/24	<administrative transfer to Y02T 10/12>
D	Y02T 10/26	<administrative transfer to Y02T 10/12>
D	Y02T 10/32	<administrative transfer to Y02T 10/30>
D	Y02T 10/34	<administrative transfer to Y02T 10/30>
D	Y02T 10/36	<administrative transfer to Y02T 10/30>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02T 10/42	<administrative transfer to Y02T 10/40>
D	Y02T 10/44	<administrative transfer to Y02T 10/40>
D	Y02T 10/46	<administrative transfer to Y02T 10/40>
D	Y02T 10/47	<administrative transfer to Y02T 10/40>
D	Y02T 10/48	<administrative transfer to Y02T 10/40>
D	Y02T 10/50	<administrative transfer to Y02T 10/40>
D	Y02T 10/52	<administrative transfer to Y02T 10/40>
D	Y02T 10/54	<administrative transfer to Y02T 10/40>
D	Y02T 10/56	<administrative transfer to Y02T 10/40>
D	Y02T 10/6204	<administrative transfer to Y02T 10/62>
D	Y02T 10/6208	<administrative transfer to Y02T 10/62>
D	Y02T 10/6213	<administrative transfer to Y02T 10/62>
D	Y02T 10/6217	<administrative transfer to Y02T 10/62>
D	Y02T 10/6221	<administrative transfer to Y02T 10/62>
D	Y02T 10/6226	<administrative transfer to Y02T 10/62>
D	Y02T 10/623	<administrative transfer to Y02T 10/62>
D	Y02T 10/6234	<administrative transfer to Y02T 10/62>
D	Y02T 10/6239	<administrative transfer to Y02T 10/62>
D	Y02T 10/6243	<administrative transfer to Y02T 10/62>
D	Y02T 10/6247	<administrative transfer to Y02T 10/62>
D	Y02T 10/6252	<administrative transfer to Y02T 10/62>
D	Y02T 10/6256	<administrative transfer to Y02T 10/62>
D	Y02T 10/626	<administrative transfer to Y02T 10/62>
D	Y02T 10/6265	<administrative transfer to Y02T 10/62>
D	Y02T 10/6269	<administrative transfer to Y02T 10/62>
D	Y02T 10/6273	<administrative transfer to Y02T 10/62>
D	Y02T 10/6278	<administrative transfer to Y02T 10/62>
D	Y02T 10/6282	<administrative transfer to Y02T 10/62>
D	Y02T 10/6286	<administrative transfer to Y02T 10/62>
D	Y02T 10/6291	<administrative transfer to Y02T 10/62>
D	Y02T 10/6295	<administrative transfer to Y02T 10/62>
D	Y02T 10/641	<administrative transfer to Y02T 10/64>
D	Y02T 10/642	<administrative transfer to Y02T 10/64>
D	Y02T 10/643	<administrative transfer to Y02T 10/64>
D	Y02T 10/644	<administrative transfer to Y02T 10/64>
D	Y02T 10/645	<administrative transfer to Y02T 10/64>
D	Y02T 10/646	<administrative transfer to Y02T 10/64>
D	Y02T 10/7005	<administrative transfer to Y02T 10/70>
D	Y02T 10/7011	<administrative transfer to Y02T 10/70>
D	Y02T 10/7016	<administrative transfer to Y02T 10/70>
D	Y02T 10/7022	<administrative transfer to Y02T 10/70>
D	Y02T 10/7027	<administrative transfer to Y02T 10/70>
D	Y02T 10/7033	<administrative transfer to Y02T 10/70>
D	Y02T 10/7038	<administrative transfer to Y02T 10/70>
D	Y02T 10/7044	<administrative transfer to Y02T 10/70>
D	Y02T 10/705	<administrative transfer to Y02T 10/70>
D	Y02T 10/7055	<administrative transfer to Y02T 10/70>
D	Y02T 10/7061	<administrative transfer to Y02T 10/70>
D	Y02T 10/7066	<administrative transfer to Y02T 10/70>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02T 10/7077	<administrative transfer to Y02T 10/7072>
D	Y02T 10/7083	<administrative transfer to Y02T 10/7072>
D	Y02T 10/7088	<administrative transfer to Y02T 10/7072>
D	Y02T 10/7094	<administrative transfer to Y02T 10/7072>
D	Y02T 10/7208	<administrative transfer to Y02T 10/72>
D	Y02T 10/7216	<administrative transfer to Y02T 10/72>
D	Y02T 10/7225	<administrative transfer to Y02T 10/72>
D	Y02T 10/7233	<administrative transfer to Y02T 10/72>
D	Y02T 10/7241	<administrative transfer to Y02T 10/72>
D	Y02T 10/725	<administrative transfer to Y02T 10/72>
D	Y02T 10/7258	<administrative transfer to Y02T 10/72>
D	Y02T 10/7275	<administrative transfer to Y02T 10/72>
D	Y02T 10/7283	<administrative transfer to Y02T 10/72>
D	Y02T 10/7291	<administrative transfer to Y02T 10/72>
D	Y02T 10/76	<administrative transfer to Y02T 10/60>
D	Y02T 10/862	<administrative transfer to Y02T 10/86>
D	Y02T 10/865	<administrative transfer to Y02T 10/86>
D	Y02T 30/10	<administrative transfer to Y02T 30/00>
D	Y02T 30/12	<administrative transfer to Y02T 30/00>
D	Y02T 30/14	<administrative transfer to Y02T 30/00>
D	Y02T 30/16	<administrative transfer to Y02T 30/00>
D	Y02T 30/18	<administrative transfer to Y02T 30/00>
D	Y02T 30/30	<administrative transfer to Y02T 30/00>
D	Y02T 30/32	<administrative transfer to Y02T 30/00>
D	Y02T 30/34	<administrative transfer to Y02T 30/00>
D	Y02T 30/36	<administrative transfer to Y02T 30/00>
D	Y02T 30/38	<administrative transfer to Y02T 30/00>
D	Y02T 30/40	<administrative transfer to Y02T 30/00>
D	Y02T 30/42	<administrative transfer to Y02T 30/00>
D	Y02T 50/12	<administrative transfer to Y02T 50/10>
D	Y02T 50/14	<administrative transfer to Y02T 50/10>
D	Y02T 50/16	<administrative transfer to Y02T 50/10>
D	Y02T 50/162	<administrative transfer to Y02T 50/10>
D	Y02T 50/164	<administrative transfer to Y02T 50/10>
D	Y02T 50/166	<administrative transfer to Y02T 50/10>
D	Y02T 50/32	<administrative transfer to Y02T 50/30>
D	Y02T 50/34	<administrative transfer to Y02T 50/30>
D	Y02T 50/42	<administrative transfer to Y02T 50/40>
D	Y02T 50/43	<administrative transfer to Y02T 50/40>
D	Y02T 50/44	<administrative transfer to Y02T 50/40>
D	Y02T 50/46	<administrative transfer to Y02T 50/40>
D	Y02T 50/52	<administrative transfer to Y02T 50/50>
D	Y02T 50/53	<administrative transfer to Y02T 50/50>
D	Y02T 50/54	<administrative transfer to Y02T 50/50>
D	Y02T 50/55	<administrative transfer to Y02T 50/50>
D	Y02T 50/56	<administrative transfer to Y02T 50/50>
D	Y02T 50/62	<administrative transfer to Y02T 50/60>
D	Y02T 50/64	<administrative transfer to Y02T 50/60>
D	Y02T 50/66	<administrative transfer to Y02T 50/60>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02T 50/67	<administrative transfer to Y02T 50/60>
D	Y02T 50/671	<administrative transfer to Y02T 50/60>
D	Y02T 50/672	<administrative transfer to Y02T 50/60>
D	Y02T 50/673	<administrative transfer to Y02T 50/60>
D	Y02T 50/675	<administrative transfer to Y02T 50/60>
D	Y02T 50/676	<administrative transfer to Y02T 50/60>
D	Y02T 50/6765	<administrative transfer to Y02T 50/60>
D	Y02T 50/677	<administrative transfer to Y02T 50/60>
D	Y02T 50/82	<administrative transfer to Y02T 50/80>
D	Y02T 50/823	<administrative transfer to Y02T 50/80>
D	Y02T 50/826	<administrative transfer to Y02T 50/80>
D	Y02T 50/84	<administrative transfer to Y02T 50/80>
D	Y02T 70/12	<administrative transfer to Y02T 70/10>
D	Y02T 70/121	<administrative transfer to Y02T 70/10>
D	Y02T 70/122	<administrative transfer to Y02T 70/10>
D	Y02T 70/123	<administrative transfer to Y02T 70/10>
D	Y02T 70/125	<administrative transfer to Y02T 70/10>
D	Y02T 70/126	<administrative transfer to Y02T 70/10>
D	Y02T 70/127	<administrative transfer to Y02T 70/10>
D	Y02T 70/128	<administrative transfer to Y02T 70/10>
D	Y02T 70/14	<administrative transfer to Y02T 70/10>
D	Y02T 70/143	<administrative transfer to Y02T 70/10>
D	Y02T 70/146	<administrative transfer to Y02T 70/10>
D	Y02T 70/30	<administrative transfer to Y02T 70/00>
D	Y02T 70/32	<administrative transfer to Y02T 70/00>
D	Y02T 70/34	<administrative transfer to Y02T 70/00>
D	Y02T 70/36	<administrative transfer to Y02T 70/00>
D	Y02T 70/52	<administrative transfer to Y02T 70/50>
D	Y02T 70/5209	<administrative transfer to Y02T 70/50>
D	Y02T 70/5227	<administrative transfer to Y02T 70/50>
D	Y02T 70/5245	<administrative transfer to Y02T 70/5236>
D	Y02T 70/5254	<administrative transfer to Y02T 70/5236>
D	Y02T 70/5263	<administrative transfer to Y02T 70/50>
D	Y02T 70/5272	<administrative transfer to Y02T 70/50>
D	Y02T 70/5281	<administrative transfer to Y02T 70/50>
D	Y02T 70/529	<administrative transfer to Y02T 70/50>
D	Y02T 70/54	<administrative transfer to Y02T 70/50>
D	Y02T 70/542	<administrative transfer to Y02T 70/50>
D	Y02T 70/545	<administrative transfer to Y02T 70/50>
D	Y02T 70/547	<administrative transfer to Y02T 70/50>
D	Y02T 70/56	<administrative transfer to Y02T 70/50>
D	Y02T 70/58	<administrative transfer to Y02T 70/5236>
D	Y02T 70/583	<administrative transfer to Y02T 70/5236>
D	Y02T 70/586	<administrative transfer to Y02T 70/5236>
D	Y02T 70/59	<administrative transfer to Y02T 70/5236>
D	Y02T 70/70	<administrative transfer to Y02T 70/00>
D	Y02T 70/72	<administrative transfer to Y02T 70/00>
D	Y02T 70/74	<administrative transfer to Y02T 70/00>
D	Y02T 70/742	<administrative transfer to Y02T 70/00>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02T 70/745	<administrative transfer to Y02T 70/00>
D	Y02T 70/747	<administrative transfer to Y02T 70/00>
D	Y02T 70/80	<administrative transfer to Y02T 70/00>
D	Y02T 70/90	<administrative transfer to Y02T 70/00>
D	Y02T 90/121	<administrative transfer to Y02T 90/12>
D	Y02T 90/122	<administrative transfer to Y02T 90/12>
D	Y02T 90/124	<administrative transfer to Y02T 90/12>
D	Y02T 90/125	<administrative transfer to Y02T 90/12>
D	Y02T 90/127	<administrative transfer to Y02T 90/12>
D	Y02T 90/128	<administrative transfer to Y02T 90/12>
D	Y02T 90/161	<administrative transfer to Y02T 90/16>
D	Y02T 90/162	<administrative transfer to Y02T 90/16>
D	Y02T 90/163	<administrative transfer to Y02T 90/16>
D	Y02T 90/168	<administrative transfer to Y02T 90/167>
D	Y02T 90/169	<administrative transfer to Y02T 90/167>
D	Y02T 90/30	<administrative transfer to Y02T 90/40>
D	Y02T 90/32	<administrative transfer to Y02T 90/40>
D	Y02T 90/34	<administrative transfer to Y02T 90/40>
D	Y02T 90/36	<administrative transfer to Y02T 90/40>
D	Y02T 90/38	<administrative transfer to Y02T 90/40>
D	Y02T 90/42	<administrative transfer to Y02T 90/40>
D	Y02T 90/44	<administrative transfer to Y02T 90/40>
D	Y02T 90/46	<administrative transfer to Y02T 90/40>
D	Y02T 90/50	<administrative transfer to Y02T 90/00>
D	Y02W 10/12	<administrative transfer to Y02W 10/10>
D	Y02W 10/15	<administrative transfer to Y02W 10/10>
D	Y02W 10/18	<administrative transfer to Y02W 10/10>
D	Y02W 10/23	<administrative transfer to Y02W 10/20>
D	Y02W 10/27	<administrative transfer to Y02W 10/20>
D	Y02W 10/45	<administrative transfer to Y02W 10/40>
D	Y02W 30/32	<administrative transfer to Y02W 30/30>
D	Y02W 30/35	<administrative transfer to Y02W 30/30>
D	Y02W 30/38	<administrative transfer to Y02W 30/30>
D	Y02W 30/43	<administrative transfer to Y02W 30/40>
D	Y02W 30/47	<administrative transfer to Y02W 30/40>
D	Y02W 30/521	<administrative transfer to Y02W 30/52>
D	Y02W 30/522	<administrative transfer to Y02W 30/52>
D	Y02W 30/523	<administrative transfer to Y02W 30/52>
D	Y02W 30/524	<administrative transfer to Y02W 30/52>
D	Y02W 30/525	<administrative transfer to Y02W 30/52>
D	Y02W 30/526	<administrative transfer to Y02W 30/52>
D	Y02W 30/527	<administrative transfer to Y02W 30/52>
D	Y02W 30/528	<administrative transfer to Y02W 30/52>
D	Y02W 30/54	<administrative transfer to Y02W 30/50>
D	Y02W 30/541	<administrative transfer to Y02W 30/50>
D	Y02W 30/542	<administrative transfer to Y02W 30/50>
D	Y02W 30/543	<administrative transfer to Y02W 30/50>
D	Y02W 30/61	<administrative transfer to Y02W 30/60>
D	Y02W 30/622	<administrative transfer to Y02W 30/62>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02W 30/625	<administrative transfer to Y02W 30/62>
D	Y02W 30/628	<administrative transfer to Y02W 30/62>
D	Y02W 30/642	<administrative transfer to Y02W 30/64>
D	Y02W 30/644	<administrative transfer to Y02W 30/64>
D	Y02W 30/646	<administrative transfer to Y02W 30/64>
D	Y02W 30/648	<administrative transfer to Y02W 30/64>
D	Y02W 30/663	<administrative transfer to Y02W 30/66>
D	Y02W 30/667	<administrative transfer to Y02W 30/66>
D	Y02W 30/68	<administrative transfer to Y02W 30/62>
D	Y02W 30/683	<administrative transfer to Y02W 30/62>
D	Y02W 30/687	<administrative transfer to Y02W 30/62>
D	Y02W 30/70	<administrative transfer to Y02W 30/62>
D	Y02W 30/701	<administrative transfer to Y02W 30/62>
D	Y02W 30/702	<administrative transfer to Y02W 30/62>
D	Y02W 30/703	<administrative transfer to Y02W 30/62>
D	Y02W 30/704	<administrative transfer to Y02W 30/62>
D	Y02W 30/705	<administrative transfer to Y02W 30/62>
D	Y02W 30/706	<administrative transfer to Y02W 30/62>
D	Y02W 30/72	<administrative transfer to Y02W 30/50>
D	Y02W 30/76	<administrative transfer to Y02W 30/50>
D	Y02W 30/801	<administrative transfer to Y02W 30/80>
D	Y02W 30/802	<administrative transfer to Y02W 30/80>
D	Y02W 30/803	<administrative transfer to Y02W 30/80>
D	Y02W 30/804	<administrative transfer to Y02W 30/80>
D	Y02W 30/805	<administrative transfer to Y02W 30/80>
D	Y02W 30/806	<administrative transfer to Y02W 30/80>
D	Y02W 30/807	<administrative transfer to Y02W 30/80>
D	Y02W 30/821	<administrative transfer to Y02W 30/82>
D	Y02W 30/822	<administrative transfer to Y02W 30/82>
D	Y02W 30/823	<administrative transfer to Y02W 30/82>
D	Y02W 30/824	<administrative transfer to Y02W 30/82>
D	Y02W 30/825	<administrative transfer to Y02W 30/82>
D	Y02W 30/826	<administrative transfer to Y02W 30/82>
D	Y02W 30/827	<administrative transfer to Y02W 30/82>
D	Y02W 30/828	<administrative transfer to Y02W 30/82>
D	Y02W 30/829	<administrative transfer to Y02W 30/82>
D	Y02W 30/86	<administrative transfer to Y02W 30/84>
D	Y02W 30/88	<administrative transfer to Y02W 30/50>
D	Y02W 30/881	<administrative transfer to Y02W 30/50>
D	Y02W 30/882	<administrative transfer to Y02W 30/50>
D	Y02W 30/883	<administrative transfer to Y02W 30/50>
D	Y02W 30/884	<administrative transfer to Y02W 30/50>
D	Y02W 30/90	<administrative transfer to Y02W 30/50>
D	Y02W 30/92	<administrative transfer to Y02W 30/91>
D	Y02W 30/93	<administrative transfer to Y02W 30/91>
D	Y02W 30/94	<administrative transfer to Y02W 30/91>
D	Y02W 30/95	<administrative transfer to Y02W 30/91>
D	Y02W 30/96	<administrative transfer to Y02W 30/91>
D	Y02W 30/97	<administrative transfer to Y02W 30/91>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y02W 90/11	<administrative transfer to Y02W 90/10>
D	Y02W 90/12	<administrative transfer to Y02W 90/10>
D	Y02W 90/13	<administrative transfer to Y02W 90/10>
D	Y02W 90/14	<administrative transfer to Y02W 90/10>
D	Y02W 90/20	<administrative transfer to Y02W 90/00>
D	Y04S 10/10	<administrative transfer to Y04S 10/00>
D	Y04S 10/24	<administrative transfer to Y04S 10/00>
D	Y04S 10/26	<administrative transfer to Y04S 10/00>
D	Y04S 10/265	<administrative transfer to Y04S 10/00>
D	Y04S 10/522	<administrative transfer to Y04S 10/52>
D	Y04S 10/525	<administrative transfer to Y04S 10/52>
D	Y04S 10/527	<administrative transfer to Y04S 10/52>
D	Y04S 10/54	<administrative transfer to Y04S 10/50>
D	Y04S 10/542	<administrative transfer to Y04S 10/50>
D	Y04S 10/545	<administrative transfer to Y04S 10/50>
D	Y04S 10/547	<administrative transfer to Y04S 10/50>
D	Y04S 10/56	<administrative transfer to Y04S 10/50>
D	Y04S 10/58	<administrative transfer to Y04S 10/50>
D	Y04S 10/60	<administrative transfer to Y04S 10/50>
D	Y04S 20/10	<administrative transfer to Y04S 20/00>
D	Y04S 20/16	<administrative transfer to Y04S 20/00>
D	Y04S 20/18	<administrative transfer to Y04S 20/00>
D	Y04S 20/22	<administrative transfer to Y04S 20/20>
D	Y04S 20/224	<administrative transfer to Y04S 20/222>
D	Y04S 20/225	<administrative transfer to Y04S 20/20>
D	Y04S 20/227	<administrative transfer to Y04S 20/20>
D	Y04S 20/228	<administrative transfer to Y04S 20/20>
D	Y04S 20/24	<administrative transfer to Y04S 20/20>
D	Y04S 20/32	<administrative transfer to Y04S 20/30>
D	Y04S 20/322	<administrative transfer to Y04S 20/30>
D	Y04S 20/325	<administrative transfer to Y04S 20/30>
D	Y04S 20/327	<administrative transfer to Y04S 20/30>
D	Y04S 20/34	<administrative transfer to Y04S 20/30>
D	Y04S 20/36	<administrative transfer to Y04S 20/30>
D	Y04S 20/38	<administrative transfer to Y04S 20/30>
D	Y04S 20/40	<administrative transfer to Y04S 20/30>
D	Y04S 20/42	<administrative transfer to Y04S 20/30>
D	Y04S 20/44	<administrative transfer to Y04S 20/30>
D	Y04S 20/46	<administrative transfer to Y04S 20/30>
D	Y04S 20/48	<administrative transfer to Y04S 20/30>
D	Y04S 20/50	<administrative transfer to Y04S 20/30>
D	Y04S 20/52	<administrative transfer to Y04S 20/30>
D	Y04S 20/525	<administrative transfer to Y04S 20/30>
D	Y04S 40/10	<administrative transfer to Y04S 40/00>
D	Y04S 40/122	<administrative transfer to Y04S 40/121>
D	Y04S 40/123	<administrative transfer to Y04S 40/121>
D	Y04S 40/125	<administrative transfer to Y04S 40/124>
D	Y04S 40/127	<administrative transfer to Y04S 40/126>
D	Y04S 40/14	<administrative transfer to Y04S 40/00>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	Y04S 40/143	<administrative transfer to Y04S 40/00>
D	Y04S 40/146	<administrative transfer to Y04S 40/121>
D	Y04S 40/16	<administrative transfer to Y04S 40/00>
D	Y04S 40/162	<administrative transfer to Y04S 40/00>
D	Y04S 40/164	<administrative transfer to Y04S 40/00>
D	Y04S 40/166	<administrative transfer to Y04S 40/00>
D	Y04S 40/168	<administrative transfer to Y04S 40/00>
D	Y04S 40/22	<administrative transfer to Y04S 40/20>
D	Y04S 40/24	<administrative transfer to Y04S 40/20>

* 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>
Y02A 10/12		DELETE
Y02A 10/13		DELETE
Y02A 10/14		DELETE
Y02A 10/15		DELETE
Y02A 10/16		DELETE
Y02A 10/17		DELETE
Y02A 10/18		DELETE
Y02A 10/20		DELETE
Y02A 10/21		DELETE
Y02A 10/22		DELETE
Y02A 10/24		DELETE
Y02A 10/25		DELETE
Y02A 10/27		DELETE
Y02A 10/28		DELETE
Y02A 10/31		DELETE
Y02A 10/32		DELETE
Y02A 10/33		DELETE
Y02A 10/34		DELETE
Y02A 10/35		DELETE
Y02A 10/36		DELETE
Y02A 10/37		DELETE
Y02A 10/38		DELETE
Y02A 10/383		DELETE
Y02A 10/386		DELETE
Y02A 10/39		DELETE
Y02A 10/395		DELETE
Y02A 10/41		DELETE
Y02A 10/42		DELETE
Y02A 10/44		DELETE
Y02A 10/46		DELETE
Y02A 10/48		DELETE
Y02A 20/10		DELETE
Y02A 20/102		DELETE
Y02A 20/104		DELETE
Y02A 20/106		DELETE
Y02A 20/109		DELETE
Y02A 20/112		DELETE
Y02A 20/114		DELETE
Y02A 20/116		DELETE
Y02A 20/118		DELETE
Y02A 20/119		DELETE
Y02A 20/12		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02A 20/126		DELETE
Y02A 20/128		DELETE
Y02A 20/129		DELETE
Y02A 20/132		DELETE
Y02A 20/134		DELETE
Y02A 20/154		DELETE
Y02A 20/156		DELETE
Y02A 20/16		DELETE
Y02A 20/18		DELETE
Y02A 20/202		DELETE
Y02A 20/206		DELETE
Y02A 20/214		DELETE
Y02A 20/216		DELETE
Y02A 20/218		DELETE
Y02A 20/22		DELETE
Y02A 20/302		DELETE
Y02A 20/304		DELETE
Y02A 20/408		DELETE
Y02A 20/412		DELETE
Y02A 20/414		DELETE
Y02A 30/10		DELETE
Y02A 30/12		DELETE
Y02A 30/16		DELETE
Y02A 30/17		DELETE
Y02A 30/18		DELETE
Y02A 30/19		DELETE
Y02A 30/20		DELETE
Y02A 30/21		DELETE
Y02A 30/22		DELETE
Y02A 30/23		DELETE
Y02A 30/241		DELETE
Y02A 30/243		DELETE
Y02A 30/245		DELETE
Y02A 30/246		DELETE
Y02A 30/247		DELETE
Y02A 30/248		DELETE
Y02A 30/25		DELETE
Y02A 30/251		DELETE
Y02A 30/252		DELETE
Y02A 30/253		DELETE
Y02A 30/255		DELETE
Y02A 30/256		DELETE
Y02A 30/257		DELETE
Y02A 30/259		DELETE
Y02A 30/26		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02A 30/261		DELETE
Y02A 30/276		DELETE
Y02A 30/277		DELETE
Y02A 30/278		DELETE
Y02A 30/31		DELETE
Y02A 30/32		DELETE
Y02A 30/33		DELETE
Y02A 30/333		DELETE
Y02A 30/336		DELETE
Y02A 30/34		DELETE
Y02A 30/35		DELETE
Y02A 30/36		DELETE
Y02A 30/38		DELETE
Y02A 30/40		DELETE
Y02A 30/45		DELETE
Y02A 30/50		DELETE
Y02A 30/62		DELETE
Y02A 30/64		DELETE
Y02A 30/68		DELETE
Y02A 40/11		DELETE
Y02A 40/12		DELETE
Y02A 40/14		DELETE
Y02A 40/143		DELETE
Y02A 40/15		DELETE
Y02A 40/16		DELETE
Y02A 40/162		DELETE
Y02A 40/164		DELETE
Y02A 40/166		DELETE
Y02A 40/168		DELETE
Y02A 40/17		DELETE
Y02A 40/18		DELETE
Y02A 40/19		DELETE
Y02A 40/201		DELETE
Y02A 40/202		DELETE
Y02A 40/203		DELETE
Y02A 40/204		DELETE
Y02A 40/205		DELETE
Y02A 40/206		DELETE
Y02A 40/207		DELETE
Y02A 40/208		DELETE
Y02A 40/209		DELETE
Y02A 40/21		DELETE
Y02A 40/211		DELETE
Y02A 40/212		DELETE
Y02A 40/213		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02A 40/214		DELETE
Y02A 40/215		DELETE
Y02A 40/216		DELETE
Y02A 40/221		DELETE
Y02A 40/222		DELETE
Y02A 40/223		DELETE
Y02A 40/224		DELETE
Y02A 40/225		DELETE
Y02A 40/226		DELETE
Y02A 40/227		DELETE
Y02A 40/228		DELETE
Y02A 40/229		DELETE
Y02A 40/23		DELETE
Y02A 40/231		DELETE
Y02A 40/232		DELETE
Y02A 40/233		DELETE
Y02A 40/234		DELETE
Y02A 40/235		DELETE
Y02A 40/236		DELETE
Y02A 40/237		DELETE
Y02A 40/238		DELETE
Y02A 40/239		DELETE
Y02A 40/24		DELETE
Y02A 40/241		DELETE
Y02A 40/242		DELETE
Y02A 40/243		DELETE
Y02A 40/252		DELETE
Y02A 40/254		DELETE
Y02A 40/256		DELETE
Y02A 40/258		DELETE
Y02A 40/26		DELETE
Y02A 40/262		DELETE
Y02A 40/264		DELETE
Y02A 40/266		DELETE
Y02A 40/268		DELETE
Y02A 40/27		DELETE
Y02A 40/272		DELETE
Y02A 40/274		DELETE
Y02A 40/282		DELETE
Y02A 40/284		DELETE
Y02A 40/286		DELETE
Y02A 40/288		DELETE
Y02A 40/29		DELETE
Y02A 40/292		DELETE
Y02A 40/294		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02A 40/296		DELETE
Y02A 40/298		DELETE
Y02A 40/30		DELETE
Y02A 40/302		DELETE
Y02A 40/40		DELETE
Y02A 40/50		DELETE
Y02A 40/52		DELETE
Y02A 40/53		DELETE
Y02A 40/55		DELETE
Y02A 40/57		DELETE
Y02A 40/72		DELETE
Y02A 40/73		DELETE
Y02A 40/74		DELETE
Y02A 40/75		DELETE
Y02A 40/78		DELETE
Y02A 40/812		DELETE
Y02A 40/814		DELETE
Y02A 40/816		DELETE
Y02A 40/82		DELETE
Y02A 40/822		DELETE
Y02A 40/824		DELETE
Y02A 40/826		DELETE
Y02A 40/828		DELETE
Y02A 40/83		DELETE
Y02A 40/832		DELETE
Y02A 40/834		DELETE
Y02A 40/836		DELETE
Y02A 40/838		DELETE
Y02A 40/84		DELETE
Y02A 40/845		DELETE
Y02A 40/86		DELETE
Y02A 40/88		DELETE
Y02A 40/92		DELETE
Y02A 40/922		DELETE
Y02A 40/94		DELETE
Y02A 40/941		DELETE
Y02A 40/942		DELETE
Y02A 40/943		DELETE
Y02A 40/944		DELETE
Y02A 40/945		DELETE
Y02A 40/946		DELETE
Y02A 40/947		DELETE
Y02A 40/948		DELETE
Y02A 40/949		DELETE
Y02A 40/95		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02A 40/96		DELETE
Y02A 40/961		DELETE
Y02A 40/962		DELETE
Y02A 40/964		DELETE
Y02A 40/965		DELETE
Y02A 40/967		DELETE
Y02A 40/968		DELETE
Y02A 50/10		DELETE
Y02A 50/12		DELETE
Y02A 50/14		DELETE
Y02A 50/16		DELETE
Y02A 50/21		DELETE
Y02A 50/22		DELETE
Y02A 50/23		DELETE
Y02A 50/232		DELETE
Y02A 50/2322		DELETE
Y02A 50/2324		DELETE
Y02A 50/2325		DELETE
Y02A 50/2326		DELETE
Y02A 50/2327		DELETE
Y02A 50/2328		DELETE
Y02A 50/234		DELETE
Y02A 50/2341		DELETE
Y02A 50/2342		DELETE
Y02A 50/2343		DELETE
Y02A 50/2344		DELETE
Y02A 50/2345		DELETE
Y02A 50/2346		DELETE
Y02A 50/2347		DELETE
Y02A 50/2348		DELETE
Y02A 50/2349		DELETE
Y02A 50/235		DELETE
Y02A 50/2352		DELETE
Y02A 50/2353		DELETE
Y02A 50/2354		DELETE
Y02A 50/2355		DELETE
Y02A 50/2356		DELETE
Y02A 50/2357		DELETE
Y02A 50/2358		DELETE
Y02A 50/2359		DELETE
Y02A 50/24		DELETE
Y02A 50/241		DELETE
Y02A 50/242		DELETE
Y02A 50/243		DELETE
Y02A 50/244		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02A 50/245		DELETE
Y02A 50/246		DELETE
Y02A 50/247		DELETE
Y02A 50/248		DELETE
Y02A 50/249		DELETE
Y02A 50/25		DELETE
Y02A 50/31		DELETE
Y02A 50/32		DELETE
Y02A 50/321		DELETE
Y02A 50/322		DELETE
Y02A 50/323		DELETE
Y02A 50/324		DELETE
Y02A 50/325		DELETE
Y02A 50/326		DELETE
Y02A 50/327		DELETE
Y02A 50/328		DELETE
Y02A 50/329		DELETE
Y02A 50/33		DELETE
Y02A 50/331		DELETE
Y02A 50/332		DELETE
Y02A 50/333		DELETE
Y02A 50/334		DELETE
Y02A 50/335		DELETE
Y02A 50/336		DELETE
Y02A 50/337		DELETE
Y02A 50/338		DELETE
Y02A 50/339		DELETE
Y02A 50/34		DELETE
Y02A 50/341		DELETE
Y02A 50/342		DELETE
Y02A 50/343		DELETE
Y02A 50/344		DELETE
Y02A 50/345		DELETE
Y02A 50/346		DELETE
Y02A 50/347		DELETE
Y02A 50/348		DELETE
Y02A 50/349		DELETE
Y02A 50/35		DELETE
Y02A 50/351		DELETE
Y02A 50/352		DELETE
Y02A 50/353		DELETE
Y02A 50/354		DELETE
Y02A 50/356		DELETE
Y02A 50/357		DELETE
Y02A 50/358		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02A 50/359		DELETE
Y02A 50/36		DELETE
Y02A 50/37		DELETE
Y02A 50/371		DELETE
Y02A 50/372		DELETE
Y02A 50/373		DELETE
Y02A 50/374		DELETE
Y02A 50/375		DELETE
Y02A 50/38		DELETE
Y02A 50/381		DELETE
Y02A 50/382		DELETE
Y02A 50/383		DELETE
Y02A 50/384		DELETE
Y02A 50/385		DELETE
Y02A 50/386		DELETE
Y02A 50/387		DELETE
Y02A 50/388		DELETE
Y02A 50/389		DELETE
Y02A 50/39		DELETE
Y02A 50/391		DELETE
Y02A 50/392		DELETE
Y02A 50/393		DELETE
Y02A 50/394		DELETE
Y02A 50/395		DELETE
Y02A 50/396		DELETE
Y02A 50/397		DELETE
Y02A 50/398		DELETE
Y02A 50/399		DELETE
Y02A 50/40		DELETE
Y02A 50/401		DELETE
Y02A 50/402		DELETE
Y02A 50/403		DELETE
Y02A 50/404		DELETE
Y02A 50/405		DELETE
Y02A 50/406		DELETE
Y02A 50/407		DELETE
Y02A 50/408		DELETE
Y02A 50/409		DELETE
Y02A 50/41		DELETE
Y02A 50/411		DELETE
Y02A 50/412		DELETE
Y02A 50/413		DELETE
Y02A 50/414		DELETE
Y02A 50/415		DELETE
Y02A 50/416		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02A 50/417		DELETE
Y02A 50/418		DELETE
Y02A 50/419		DELETE
Y02A 50/42		DELETE
Y02A 50/421		DELETE
Y02A 50/422		DELETE
Y02A 50/423		DELETE
Y02A 50/45		DELETE
Y02A 50/451		DELETE
Y02A 50/452		DELETE
Y02A 50/453		DELETE
Y02A 50/454		DELETE
Y02A 50/455		DELETE
Y02A 50/456		DELETE
Y02A 50/46		DELETE
Y02A 50/462		DELETE
Y02A 50/463		DELETE
Y02A 50/464		DELETE
Y02A 50/465		DELETE
Y02A 50/466		DELETE
Y02A 50/467		DELETE
Y02A 50/468		DELETE
Y02A 50/469		DELETE
Y02A 50/47		DELETE
Y02A 50/471		DELETE
Y02A 50/472		DELETE
Y02A 50/473		DELETE
Y02A 50/474		DELETE
Y02A 50/475		DELETE
Y02A 50/476		DELETE
Y02A 50/478		DELETE
Y02A 50/479		DELETE
Y02A 50/48		DELETE
Y02A 50/481		DELETE
Y02A 50/482		DELETE
Y02A 50/483		DELETE
Y02A 50/484		DELETE
Y02A 50/485		DELETE
Y02A 50/486		DELETE
Y02A 50/487		DELETE
Y02A 50/488		DELETE
Y02A 50/489		DELETE
Y02A 50/49		DELETE
Y02A 50/491		DELETE
Y02A 50/492		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02A 50/50		DELETE
Y02A 50/51		DELETE
Y02A 50/52		DELETE
Y02A 50/53		DELETE
Y02A 50/54		DELETE
Y02A 50/55		DELETE
Y02A 50/56		DELETE
Y02A 50/57		DELETE
Y02A 50/58		DELETE
Y02A 50/59		DELETE
Y02A 50/60		DELETE
Y02A 90/12		DELETE
Y02A 90/13		DELETE
Y02A 90/14		DELETE
Y02A 90/15		DELETE
Y02A 90/16		DELETE
Y02A 90/17		DELETE
Y02A 90/18		DELETE
Y02A 90/19		DELETE
Y02A 90/20		DELETE
Y02A 90/22		DELETE
Y02A 90/24		DELETE
Y02A 90/26		DELETE
Y02A 90/32		DELETE
Y02A 90/34		DELETE
Y02A 90/342		DELETE
Y02A 90/344		DELETE
Y02A 90/36		DELETE
Y02B 10/12		DELETE
Y02B 10/14		DELETE
Y02B 10/22		DELETE
Y02B 10/24		DELETE
Y02B 10/72		DELETE
Y02B 20/10		DELETE
Y02B 20/12		DELETE
Y02B 20/125		DELETE
Y02B 20/14		DELETE
Y02B 20/142		DELETE
Y02B 20/144		DELETE
Y02B 20/146		DELETE
Y02B 20/148		DELETE
Y02B 20/16		DELETE
Y02B 20/18		DELETE
Y02B 20/181		DELETE
Y02B 20/183		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02B 20/185		DELETE
Y02B 20/186		DELETE
Y02B 20/188		DELETE
Y02B 20/19		DELETE
Y02B 20/20		DELETE
Y02B 20/202		DELETE
Y02B 20/204		DELETE
Y02B 20/206		DELETE
Y02B 20/208		DELETE
Y02B 20/22		DELETE
Y02B 20/32		DELETE
Y02B 20/34		DELETE
Y02B 20/341		DELETE
Y02B 20/342		DELETE
Y02B 20/343		DELETE
Y02B 20/345		DELETE
Y02B 20/346		DELETE
Y02B 20/347		DELETE
Y02B 20/348		DELETE
Y02B 20/36		DELETE
Y02B 20/38		DELETE
Y02B 20/383		DELETE
Y02B 20/386		DELETE
Y02B 20/42		DELETE
Y02B 20/44		DELETE
Y02B 20/445		DELETE
Y02B 20/46		DELETE
Y02B 20/48		DELETE
Y02B 20/70		DELETE
Y02B 30/08		DELETE
Y02B 30/10		DELETE
Y02B 30/102		DELETE
Y02B 30/104		DELETE
Y02B 30/106		DELETE
Y02B 30/108		DELETE
Y02B 30/125		DELETE
Y02B 30/14		DELETE
Y02B 30/16		DELETE
Y02B 30/20		DELETE
Y02B 30/22		DELETE
Y02B 30/24		DELETE
Y02B 30/26		DELETE
Y02B 30/28		DELETE
Y02B 30/50		DELETE
Y02B 30/542		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02B 30/545		DELETE
Y02B 30/547		DELETE
Y02B 30/563		DELETE
Y02B 30/566		DELETE
Y02B 30/60		DELETE
Y02B 30/64		DELETE
Y02B 30/66		DELETE
Y02B 30/72		DELETE
Y02B 30/74		DELETE
Y02B 30/741		DELETE
Y02B 30/743		DELETE
Y02B 30/745		DELETE
Y02B 30/746		DELETE
Y02B 30/748		DELETE
Y02B 30/76		DELETE
Y02B 30/762		DELETE
Y02B 30/765		DELETE
Y02B 30/767		DELETE
Y02B 30/78		DELETE
Y02B 30/80		DELETE
Y02B 30/92		DELETE
Y02B 30/94		DELETE
Y02B 40/10		DELETE
Y02B 40/12		DELETE
Y02B 40/123		DELETE
Y02B 40/126		DELETE
Y02B 40/14		DELETE
Y02B 40/143		DELETE
Y02B 40/146		DELETE
Y02B 40/16		DELETE
Y02B 40/163		DELETE
Y02B 40/166		DELETE
Y02B 40/30		DELETE
Y02B 40/32		DELETE
Y02B 40/34		DELETE
Y02B 40/40		DELETE
Y02B 40/42		DELETE
Y02B 40/44		DELETE
Y02B 40/46		DELETE
Y02B 40/50		DELETE
Y02B 40/52		DELETE
Y02B 40/54		DELETE
Y02B 40/56		DELETE
Y02B 40/58		DELETE
Y02B 40/70		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02B 40/72		DELETE
Y02B 40/74		DELETE
Y02B 40/80		DELETE
Y02B 40/82		DELETE
Y02B 40/84		DELETE
Y02B 40/90		DELETE
Y02B 50/10		DELETE
Y02B 50/12		DELETE
Y02B 50/122		DELETE
Y02B 50/125		DELETE
Y02B 50/127		DELETE
Y02B 50/14		DELETE
Y02B 50/142		DELETE
Y02B 50/144		DELETE
Y02B 50/146		DELETE
Y02B 50/148		DELETE
Y02B 50/20		DELETE
Y02B 50/22		DELETE
Y02B 50/225		DELETE
Y02B 50/24		DELETE
Y02B 70/12		DELETE
Y02B 70/123		DELETE
Y02B 70/126		DELETE
Y02B 70/14		DELETE
Y02B 70/1408		DELETE
Y02B 70/1416		DELETE
Y02B 70/1425		DELETE
Y02B 70/1433		DELETE
Y02B 70/1441		DELETE
Y02B 70/145		DELETE
Y02B 70/1458		DELETE
Y02B 70/1466		DELETE
Y02B 70/1475		DELETE
Y02B 70/1483		DELETE
Y02B 70/1491		DELETE
Y02B 70/16		DELETE
Y02B 70/32		DELETE
Y02B 70/3208		DELETE
Y02B 70/3216		DELETE
Y02B 70/3233		DELETE
Y02B 70/3241		DELETE
Y02B 70/325		DELETE
Y02B 70/3258		DELETE
Y02B 70/3266		DELETE
Y02B 70/3275		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02B 70/3283		DELETE
Y02B 70/3291		DELETE
Y02B 70/343		DELETE
Y02B 70/346		DELETE
Y02B 80/12		DELETE
Y02B 80/14		DELETE
Y02B 80/20		DELETE
Y02B 80/24		DELETE
Y02B 80/26		DELETE
Y02B 80/28		DELETE
Y02B 80/30		DELETE
Y02B 80/34		DELETE
Y02B 80/40		DELETE
Y02B 80/50		DELETE
Y02B 90/12		DELETE
Y02B 90/14		DELETE
Y02B 90/16		DELETE
Y02B 90/18		DELETE
Y02B 90/22		DELETE
Y02B 90/222		DELETE
Y02B 90/224		DELETE
Y02B 90/226		DELETE
Y02B 90/228		DELETE
Y02B 90/24		DELETE
Y02B 90/241		DELETE
Y02B 90/242		DELETE
Y02B 90/243		DELETE
Y02B 90/244		DELETE
Y02B 90/245		DELETE
Y02B 90/246		DELETE
Y02B 90/247		DELETE
Y02B 90/248		DELETE
Y02B 90/26		DELETE
Y02B 90/2607		DELETE
Y02B 90/2615		DELETE
Y02B 90/2623		DELETE
Y02B 90/263		DELETE
Y02B 90/2638		DELETE
Y02B 90/2646		DELETE
Y02B 90/2653		DELETE
Y02B 90/2661		DELETE
Y02B 90/2669		DELETE
Y02B 90/2676		DELETE
Y02B 90/2684		DELETE
Y02B 90/2692		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02C 10/00		DELETE
Y02C 10/02		DELETE
Y02C 10/04		DELETE
Y02C 10/06		DELETE
Y02C 10/08		DELETE
Y02C 10/10		DELETE
Y02C 10/12		DELETE
Y02C 10/14		DELETE
Y02C 20/40	CPC ONLY	NEW
Y02D 10/10		DELETE
Y02D 10/11		DELETE
Y02D 10/12		DELETE
Y02D 10/122		DELETE
Y02D 10/124		DELETE
Y02D 10/126		DELETE
Y02D 10/128		DELETE
Y02D 10/13		DELETE
Y02D 10/14		DELETE
Y02D 10/15		DELETE
Y02D 10/151		DELETE
Y02D 10/152		DELETE
Y02D 10/153		DELETE
Y02D 10/154		DELETE
Y02D 10/1542		DELETE
Y02D 10/155		DELETE
Y02D 10/156		DELETE
Y02D 10/157		DELETE
Y02D 10/158		DELETE
Y02D 10/159		DELETE
Y02D 10/1592		DELETE
Y02D 10/16		DELETE
Y02D 10/17		DELETE
Y02D 10/171		DELETE
Y02D 10/172		DELETE
Y02D 10/173		DELETE
Y02D 10/174		DELETE
Y02D 10/175		DELETE
Y02D 10/20		DELETE
Y02D 10/22		DELETE
Y02D 10/24		DELETE
Y02D 10/26		DELETE
Y02D 10/28		DELETE
Y02D 10/30		DELETE
Y02D 10/32		DELETE
Y02D 10/34		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02D 10/36		DELETE
Y02D 10/40		DELETE
Y02D 10/41		DELETE
Y02D 10/42		DELETE
Y02D 10/43		DELETE
Y02D 10/44		DELETE
Y02D 10/45		DELETE
Y02D 30/10		DELETE
Y02D 30/20		DELETE
Y02D 30/30		DELETE
Y02D 30/32		DELETE
Y02D 30/34		DELETE
Y02D 30/40		DELETE
Y02D 30/50	CPC ONLY	NEW
Y02D 30/70	CPC ONLY	NEW
Y02D 50/00		DELETE
Y02D 50/10		DELETE
Y02D 50/20		DELETE
Y02D 50/30		DELETE
Y02D 50/40		DELETE
Y02D 50/42		DELETE
Y02D 50/44		DELETE
Y02D 70/00		DELETE
Y02D 70/10		DELETE
Y02D 70/12		DELETE
Y02D 70/122		DELETE
Y02D 70/1222		DELETE
Y02D 70/1224		DELETE
Y02D 70/1226		DELETE
Y02D 70/124		DELETE
Y02D 70/1242		DELETE
Y02D 70/1244		DELETE
Y02D 70/1246		DELETE
Y02D 70/126		DELETE
Y02D 70/1262		DELETE
Y02D 70/1264		DELETE
Y02D 70/14		DELETE
Y02D 70/142		DELETE
Y02D 70/144		DELETE
Y02D 70/146		DELETE
Y02D 70/16		DELETE
Y02D 70/162		DELETE
Y02D 70/164		DELETE
Y02D 70/166		DELETE
Y02D 70/168		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02D 70/20		DELETE
Y02D 70/21		DELETE
Y02D 70/22		DELETE
Y02D 70/23		DELETE
Y02D 70/24		DELETE
Y02D 70/25		DELETE
Y02D 70/26		DELETE
Y02D 70/30		DELETE
Y02D 70/32		DELETE
Y02D 70/322		DELETE
Y02D 70/324		DELETE
Y02D 70/326		DELETE
Y02D 70/34		DELETE
Y02D 70/38		DELETE
Y02D 70/39		DELETE
Y02D 70/40		DELETE
Y02D 70/42		DELETE
Y02D 70/44		DELETE
Y02D 70/442		DELETE
Y02D 70/444		DELETE
Y02D 70/446		DELETE
Y02D 70/448		DELETE
Y02D 70/449		DELETE
Y02D 70/46		DELETE
Y02D 70/48		DELETE
Y02E 10/12		DELETE
Y02E 10/125		DELETE
Y02E 10/14		DELETE
Y02E 10/16		DELETE
Y02E 10/18		DELETE
Y02E 10/22		DELETE
Y02E 10/223		DELETE
Y02E 10/226		DELETE
Y02E 10/28		DELETE
Y02E 10/32		DELETE
Y02E 10/34		DELETE
Y02E 10/36		DELETE
Y02E 10/38		DELETE
Y02E 10/41		DELETE
Y02E 10/42		DELETE
Y02E 10/43		DELETE
Y02E 10/45		DELETE
Y02E 10/465		DELETE
Y02E 10/54		DELETE
Y02E 10/563		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02E 10/566		DELETE
Y02E 10/58		DELETE
Y02E 10/721		DELETE
Y02E 10/722		DELETE
Y02E 10/723		DELETE
Y02E 10/725		DELETE
Y02E 10/726		DELETE
Y02E 10/763		DELETE
Y02E 10/766		DELETE
Y02E 20/10		DELETE
Y02E 20/185		DELETE
Y02E 20/322		DELETE
Y02E 20/324		DELETE
Y02E 20/326		DELETE
Y02E 20/328		DELETE
Y02E 20/342		DELETE
Y02E 20/344		DELETE
Y02E 20/346		DELETE
Y02E 20/348		DELETE
Y02E 20/36		DELETE
Y02E 20/363		DELETE
Y02E 20/366		DELETE
Y02E 30/12		DELETE
Y02E 30/122		DELETE
Y02E 30/124		DELETE
Y02E 30/126		DELETE
Y02E 30/128		DELETE
Y02E 30/14		DELETE
Y02E 30/16		DELETE
Y02E 30/18		DELETE
Y02E 30/31		DELETE
Y02E 30/32		DELETE
Y02E 30/33		DELETE
Y02E 30/34		DELETE
Y02E 30/35		DELETE
Y02E 30/36		DELETE
Y02E 30/37		DELETE
Y02E 30/38		DELETE
Y02E 30/39		DELETE
Y02E 30/40		DELETE
Y02E 40/12		DELETE
Y02E 40/14		DELETE
Y02E 40/16		DELETE
Y02E 40/18		DELETE
Y02E 40/22		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02E 40/24		DELETE
Y02E 40/26		DELETE
Y02E 40/32		DELETE
Y02E 40/34		DELETE
Y02E 40/62		DELETE
Y02E 40/622		DELETE
Y02E 40/625		DELETE
Y02E 40/627		DELETE
Y02E 40/64		DELETE
Y02E 40/641		DELETE
Y02E 40/642		DELETE
Y02E 40/644		DELETE
Y02E 40/645		DELETE
Y02E 40/647		DELETE
Y02E 40/648		DELETE
Y02E 40/66		DELETE
Y02E 40/67		DELETE
Y02E 40/68		DELETE
Y02E 40/69		DELETE
Y02E 40/72		DELETE
Y02E 40/725		DELETE
Y02E 40/74		DELETE
Y02E 40/76		DELETE
Y02E 50/11		DELETE
Y02E 50/12		DELETE
Y02E 50/13		DELETE
Y02E 50/14		DELETE
Y02E 50/15		DELETE
Y02E 50/16		DELETE
Y02E 50/17		DELETE
Y02E 50/18		DELETE
Y02E 50/32		DELETE
Y02E 50/34		DELETE
Y02E 50/343		DELETE
Y02E 50/346		DELETE
Y02E 60/12		DELETE
Y02E 60/122		DELETE
Y02E 60/124		DELETE
Y02E 60/126		DELETE
Y02E 60/128		DELETE
Y02E 60/142		DELETE
Y02E 60/145		DELETE
Y02E 60/147		DELETE
Y02E 60/15		DELETE
Y02E 60/17		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02E 60/321		DELETE
Y02E 60/322		DELETE
Y02E 60/324		DELETE
Y02E 60/325		DELETE
Y02E 60/327		DELETE
Y02E 60/328		DELETE
Y02E 60/362		DELETE
Y02E 60/364		DELETE
Y02E 60/366		DELETE
Y02E 60/368		DELETE
Y02E 60/52		DELETE
Y02E 60/521		DELETE
Y02E 60/522		DELETE
Y02E 60/523		DELETE
Y02E 60/525		DELETE
Y02E 60/526		DELETE
Y02E 60/527		DELETE
Y02E 60/528		DELETE
Y02E 60/56		DELETE
Y02E 60/563		DELETE
Y02E 60/566		DELETE
Y02E 60/70		DELETE
Y02E 60/72		DELETE
Y02E 60/721		DELETE
Y02E 60/722		DELETE
Y02E 60/723		DELETE
Y02E 60/724		DELETE
Y02E 60/725		DELETE
Y02E 60/726		DELETE
Y02E 60/727		DELETE
Y02E 60/728		DELETE
Y02E 60/74		DELETE
Y02E 60/76		DELETE
Y02E 60/78		DELETE
Y02E 60/7807		DELETE
Y02E 60/7815		DELETE
Y02E 60/7823		DELETE
Y02E 60/783		DELETE
Y02E 60/7838		DELETE
Y02E 60/7846		DELETE
Y02E 60/7853		DELETE
Y02E 60/7861		DELETE
Y02E 60/7869		DELETE
Y02E 60/7876		DELETE
Y02E 60/7884		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02E 60/7892		DELETE
Y02E 70/10		DELETE
Y02E 70/20		DELETE
Y02E 70/40		DELETE
Y02P 10/12		DELETE
Y02P 10/124		DELETE
Y02P 10/126		DELETE
Y02P 10/128		DELETE
Y02P 10/13		DELETE
Y02P 10/132		DELETE
Y02P 10/136		DELETE
Y02P 10/138		DELETE
Y02P 10/14		DELETE
Y02P 10/21		DELETE
Y02P 10/212		DELETE
Y02P 10/214		DELETE
Y02P 10/216		DELETE
Y02P 10/218		DELETE
Y02P 10/22		DELETE
Y02P 10/224		DELETE
Y02P 10/226		DELETE
Y02P 10/228		DELETE
Y02P 10/23		DELETE
Y02P 10/232		DELETE
Y02P 10/234		DELETE
Y02P 10/236		DELETE
Y02P 10/238		DELETE
Y02P 10/24		DELETE
Y02P 10/242		DELETE
Y02P 10/253		DELETE
Y02P 10/256		DELETE
Y02P 10/259		DELETE
Y02P 10/262		DELETE
Y02P 10/265		DELETE
Y02P 10/268		DELETE
Y02P 10/271		DELETE
Y02P 10/274		DELETE
Y02P 10/277		DELETE
Y02P 10/28		DELETE
Y02P 10/283		DELETE
Y02P 10/286		DELETE
Y02P 10/29		DELETE
Y02P 10/292		DELETE
Y02P 10/295		DELETE
Y02P 10/30		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02P 10/34		DELETE
Y02P 20/12		DELETE
Y02P 20/121		DELETE
Y02P 20/122		DELETE
Y02P 20/123		DELETE
Y02P 20/124		DELETE
Y02P 20/125		DELETE
Y02P 20/126		DELETE
Y02P 20/127		DELETE
Y02P 20/128		DELETE
Y02P 20/13		DELETE
Y02P 20/131		DELETE
Y02P 20/132		DELETE
Y02P 20/134		DELETE
Y02P 20/135		DELETE
Y02P 20/136		DELETE
Y02P 20/14		DELETE
Y02P 20/142		DELETE
Y02P 20/144		DELETE
Y02P 20/146		DELETE
Y02P 20/147		DELETE
Y02P 20/148		DELETE
Y02P 20/149		DELETE
Y02P 20/15		DELETE
Y02P 20/152		DELETE
Y02P 20/153		DELETE
Y02P 20/154		DELETE
Y02P 20/22		DELETE
Y02P 20/224		DELETE
Y02P 20/228		DELETE
Y02P 20/32		DELETE
Y02P 20/324		DELETE
Y02P 20/328		DELETE
Y02P 20/42		DELETE
Y02P 20/424		DELETE
Y02P 20/51		DELETE
Y02P 20/514		DELETE
Y02P 20/518		DELETE
Y02P 20/542		DELETE
Y02P 20/544		DELETE
Y02P 20/546		DELETE
Y02P 20/57		DELETE
Y02P 20/572		DELETE
Y02P 20/58		DELETE
Y02P 20/586		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02P 20/588		DELETE
Y02P 30/10		DELETE
Y02P 30/30		DELETE
Y02P 30/42		DELETE
Y02P 30/44		DELETE
Y02P 30/442		DELETE
Y02P 30/444		DELETE
Y02P 30/446		DELETE
Y02P 30/46		DELETE
Y02P 30/462		DELETE
Y02P 30/464		DELETE
Y02P 30/48		DELETE
Y02P 40/12		DELETE
Y02P 40/123		DELETE
Y02P 40/126		DELETE
Y02P 40/128		DELETE
Y02P 40/14		DELETE
Y02P 40/141		DELETE
Y02P 40/143		DELETE
Y02P 40/145		DELETE
Y02P 40/146		DELETE
Y02P 40/148		DELETE
Y02P 40/16		DELETE
Y02P 40/165		DELETE
Y02P 40/20		DELETE
Y02P 40/30		DELETE
Y02P 40/42		DELETE
Y02P 40/44		DELETE
Y02P 40/47		DELETE
Y02P 40/49		DELETE
Y02P 40/51		DELETE
Y02P 40/52		DELETE
Y02P 40/53		DELETE
Y02P 40/535		DELETE
Y02P 40/55		DELETE
Y02P 40/56		DELETE
Y02P 40/58		DELETE
Y02P 40/59		DELETE
Y02P 40/61		DELETE
Y02P 40/615		DELETE
Y02P 40/63		DELETE
Y02P 40/65		DELETE
Y02P 40/67		DELETE
Y02P 40/69		DELETE
Y02P 60/10		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02P 60/122		DELETE
Y02P 60/124		DELETE
Y02P 60/141		DELETE
Y02P 60/142		DELETE
Y02P 60/144		DELETE
Y02P 60/146		DELETE
Y02P 60/147		DELETE
Y02P 60/148		DELETE
Y02P 60/149		DELETE
Y02P 60/15		DELETE
Y02P 60/16		DELETE
Y02P 60/18		DELETE
Y02P 60/212		DELETE
Y02P 60/214		DELETE
Y02P 60/215		DELETE
Y02P 60/216		DELETE
Y02P 60/218		DELETE
Y02P 60/23		DELETE
Y02P 60/24		DELETE
Y02P 60/242		DELETE
Y02P 60/244		DELETE
Y02P 60/246		DELETE
Y02P 60/247		DELETE
Y02P 60/25		DELETE
Y02P 60/521		DELETE
Y02P 60/524		DELETE
Y02P 60/526		DELETE
Y02P 60/528		DELETE
Y02P 60/54		DELETE
Y02P 60/542		DELETE
Y02P 60/56		DELETE
Y02P 60/62		DELETE
Y02P 60/64		DELETE
Y02P 60/642		DELETE
Y02P 60/70		DELETE
Y02P 60/81		DELETE
Y02P 60/83		DELETE
Y02P 60/831		DELETE
Y02P 60/833		DELETE
Y02P 60/835		DELETE
Y02P 60/851		DELETE
Y02P 60/853		DELETE
Y02P 60/855		DELETE
Y02P 60/871		DELETE
Y02P 60/873		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02P 60/875		DELETE
Y02P 60/877		DELETE
Y02P 60/89		DELETE
Y02P 60/891		DELETE
Y02P 70/12		DELETE
Y02P 70/121		DELETE
Y02P 70/123		DELETE
Y02P 70/125		DELETE
Y02P 70/127		DELETE
Y02P 70/129		DELETE
Y02P 70/131		DELETE
Y02P 70/133		DELETE
Y02P 70/135		DELETE
Y02P 70/137		DELETE
Y02P 70/139		DELETE
Y02P 70/141		DELETE
Y02P 70/143		DELETE
Y02P 70/145		DELETE
Y02P 70/16		DELETE
Y02P 70/161		DELETE
Y02P 70/163		DELETE
Y02P 70/167		DELETE
Y02P 70/169		DELETE
Y02P 70/171		DELETE
Y02P 70/173		DELETE
Y02P 70/175		DELETE
Y02P 70/177		DELETE
Y02P 70/179		DELETE
Y02P 70/181		DELETE
Y02P 70/183		DELETE
Y02P 70/185		DELETE
Y02P 70/187		DELETE
Y02P 70/20		DELETE
Y02P 70/22		DELETE
Y02P 70/24		DELETE
Y02P 70/26		DELETE
Y02P 70/261		DELETE
Y02P 70/263		DELETE
Y02P 70/265		DELETE
Y02P 70/267		DELETE
Y02P 70/269		DELETE
Y02P 70/271		DELETE
Y02P 70/273		DELETE
Y02P 70/275		DELETE
Y02P 70/277		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02P 70/279		DELETE
Y02P 70/281		DELETE
Y02P 70/30		DELETE
Y02P 70/32		DELETE
Y02P 70/34		DELETE
Y02P 70/36		DELETE
Y02P 70/38		DELETE
Y02P 70/40		DELETE
Y02P 70/405		DELETE
Y02P 70/52		DELETE
Y02P 70/521		DELETE
Y02P 70/523		DELETE
Y02P 70/525		DELETE
Y02P 70/527		DELETE
Y02P 70/54		DELETE
Y02P 70/56		DELETE
Y02P 70/58		DELETE
Y02P 70/585		DELETE
Y02P 70/60		DELETE
Y02P 70/601		DELETE
Y02P 70/603		DELETE
Y02P 70/605		DELETE
Y02P 70/607		DELETE
Y02P 70/609		DELETE
Y02P 70/611		DELETE
Y02P 70/613		DELETE
Y02P 70/621		DELETE
Y02P 70/623		DELETE
Y02P 70/625		DELETE
Y02P 70/627		DELETE
Y02P 70/629		DELETE
Y02P 70/631		DELETE
Y02P 70/633		DELETE
Y02P 70/635		DELETE
Y02P 70/637		DELETE
Y02P 70/639		DELETE
Y02P 70/641		DELETE
Y02P 70/643		DELETE
Y02P 70/645		DELETE
Y02P 70/647		DELETE
Y02P 70/649		DELETE
Y02P 70/651		DELETE
Y02P 70/653		DELETE
Y02P 70/66		DELETE
Y02P 80/11		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02P 80/112		DELETE
Y02P 80/114		DELETE
Y02P 80/116		DELETE
Y02P 80/12		DELETE
Y02P 80/13		DELETE
Y02P 80/152		DELETE
Y02P 80/154		DELETE
Y02P 80/156		DELETE
Y02P 80/158		DELETE
Y02P 80/21		DELETE
Y02P 80/22		DELETE
Y02P 80/23		DELETE
Y02P 80/24		DELETE
Y02P 80/25		DELETE
Y02P 90/04		DELETE
Y02P 90/06		DELETE
Y02P 90/08		DELETE
Y02P 90/083		DELETE
Y02P 90/087		DELETE
Y02P 90/10		DELETE
Y02P 90/12		DELETE
Y02P 90/14		DELETE
Y02P 90/16		DELETE
Y02P 90/18		DELETE
Y02P 90/185		DELETE
Y02P 90/20		DELETE
Y02P 90/205		DELETE
Y02P 90/22		DELETE
Y02P 90/24		DELETE
Y02P 90/26		DELETE
Y02P 90/265		DELETE
Y02P 90/28		DELETE
Y02P 90/285		DELETE
Y02P 90/86		DELETE
Y02T 10/121		DELETE
Y02T 10/123		DELETE
Y02T 10/125		DELETE
Y02T 10/126		DELETE
Y02T 10/128		DELETE
Y02T 10/14		DELETE
Y02T 10/142		DELETE
Y02T 10/144		DELETE
Y02T 10/146		DELETE
Y02T 10/148		DELETE
Y02T 10/16		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02T 10/163		DELETE
Y02T 10/166		DELETE
Y02T 10/17		DELETE
Y02T 10/18		DELETE
Y02T 10/20		DELETE
Y02T 10/22		DELETE
Y02T 10/24		DELETE
Y02T 10/26		DELETE
Y02T 10/32		DELETE
Y02T 10/34		DELETE
Y02T 10/36		DELETE
Y02T 10/42		DELETE
Y02T 10/44		DELETE
Y02T 10/46		DELETE
Y02T 10/47		DELETE
Y02T 10/48		DELETE
Y02T 10/50		DELETE
Y02T 10/52		DELETE
Y02T 10/54		DELETE
Y02T 10/56		DELETE
Y02T 10/6204		DELETE
Y02T 10/6208		DELETE
Y02T 10/6213		DELETE
Y02T 10/6217		DELETE
Y02T 10/6221		DELETE
Y02T 10/6226		DELETE
Y02T 10/623		DELETE
Y02T 10/6234		DELETE
Y02T 10/6239		DELETE
Y02T 10/6243		DELETE
Y02T 10/6247		DELETE
Y02T 10/6252		DELETE
Y02T 10/6256		DELETE
Y02T 10/626		DELETE
Y02T 10/6265		DELETE
Y02T 10/6269		DELETE
Y02T 10/6273		DELETE
Y02T 10/6278		DELETE
Y02T 10/6282		DELETE
Y02T 10/6286		DELETE
Y02T 10/6291		DELETE
Y02T 10/6295		DELETE
Y02T 10/641		DELETE
Y02T 10/642		DELETE
Y02T 10/643		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02T 10/644		DELETE
Y02T 10/645		DELETE
Y02T 10/646		DELETE
Y02T 10/7005		DELETE
Y02T 10/7011		DELETE
Y02T 10/7016		DELETE
Y02T 10/7022		DELETE
Y02T 10/7027		DELETE
Y02T 10/7033		DELETE
Y02T 10/7038		DELETE
Y02T 10/7044		DELETE
Y02T 10/705		DELETE
Y02T 10/7055		DELETE
Y02T 10/7061		DELETE
Y02T 10/7066		DELETE
Y02T 10/7077		DELETE
Y02T 10/7083		DELETE
Y02T 10/7088		DELETE
Y02T 10/7094		DELETE
Y02T 10/7208		DELETE
Y02T 10/7216		DELETE
Y02T 10/7225		DELETE
Y02T 10/7233		DELETE
Y02T 10/7241		DELETE
Y02T 10/725		DELETE
Y02T 10/7258		DELETE
Y02T 10/7275		DELETE
Y02T 10/7283		DELETE
Y02T 10/7291		DELETE
Y02T 10/76		DELETE
Y02T 10/862		DELETE
Y02T 10/865		DELETE
Y02T 30/10		DELETE
Y02T 30/12		DELETE
Y02T 30/14		DELETE
Y02T 30/16		DELETE
Y02T 30/18		DELETE
Y02T 30/30		DELETE
Y02T 30/32		DELETE
Y02T 30/34		DELETE
Y02T 30/36		DELETE
Y02T 30/38		DELETE
Y02T 30/40		DELETE
Y02T 30/42		DELETE
Y02T 50/12		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02T 50/14		DELETE
Y02T 50/16		DELETE
Y02T 50/162		DELETE
Y02T 50/164		DELETE
Y02T 50/166		DELETE
Y02T 50/32		DELETE
Y02T 50/34		DELETE
Y02T 50/42		DELETE
Y02T 50/43		DELETE
Y02T 50/44		DELETE
Y02T 50/46		DELETE
Y02T 50/52		DELETE
Y02T 50/53		DELETE
Y02T 50/54		DELETE
Y02T 50/55		DELETE
Y02T 50/56		DELETE
Y02T 50/62		DELETE
Y02T 50/64		DELETE
Y02T 50/66		DELETE
Y02T 50/67		DELETE
Y02T 50/671		DELETE
Y02T 50/672		DELETE
Y02T 50/673		DELETE
Y02T 50/675		DELETE
Y02T 50/676		DELETE
Y02T 50/6765		DELETE
Y02T 50/677		DELETE
Y02T 50/82		DELETE
Y02T 50/823		DELETE
Y02T 50/826		DELETE
Y02T 50/84		DELETE
Y02T 70/12		DELETE
Y02T 70/121		DELETE
Y02T 70/122		DELETE
Y02T 70/123		DELETE
Y02T 70/125		DELETE
Y02T 70/126		DELETE
Y02T 70/127		DELETE
Y02T 70/128		DELETE
Y02T 70/14		DELETE
Y02T 70/143		DELETE
Y02T 70/146		DELETE
Y02T 70/30		DELETE
Y02T 70/32		DELETE
Y02T 70/34		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02T 70/36		DELETE
Y02T 70/52		DELETE
Y02T 70/5209		DELETE
Y02T 70/5227		DELETE
Y02T 70/5245		DELETE
Y02T 70/5254		DELETE
Y02T 70/5263		DELETE
Y02T 70/5272		DELETE
Y02T 70/5281		DELETE
Y02T 70/529		DELETE
Y02T 70/54		DELETE
Y02T 70/542		DELETE
Y02T 70/545		DELETE
Y02T 70/547		DELETE
Y02T 70/56		DELETE
Y02T 70/58		DELETE
Y02T 70/583		DELETE
Y02T 70/586		DELETE
Y02T 70/59		DELETE
Y02T 70/70		DELETE
Y02T 70/72		DELETE
Y02T 70/74		DELETE
Y02T 70/742		DELETE
Y02T 70/745		DELETE
Y02T 70/747		DELETE
Y02T 70/80		DELETE
Y02T 70/90		DELETE
Y02T 90/121		DELETE
Y02T 90/122		DELETE
Y02T 90/124		DELETE
Y02T 90/125		DELETE
Y02T 90/127		DELETE
Y02T 90/128		DELETE
Y02T 90/161		DELETE
Y02T 90/162		DELETE
Y02T 90/163		DELETE
Y02T 90/168		DELETE
Y02T 90/169		DELETE
Y02T 90/30		DELETE
Y02T 90/32		DELETE
Y02T 90/34		DELETE
Y02T 90/36		DELETE
Y02T 90/38		DELETE
Y02T 90/42		DELETE
Y02T 90/44		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02T 90/46		DELETE
Y02T 90/50		DELETE
Y02W 10/12		DELETE
Y02W 10/15		DELETE
Y02W 10/18		DELETE
Y02W 10/23		DELETE
Y02W 10/27		DELETE
Y02W 10/45		DELETE
Y02W 30/32		DELETE
Y02W 30/35		DELETE
Y02W 30/38		DELETE
Y02W 30/43		DELETE
Y02W 30/47		DELETE
Y02W 30/521		DELETE
Y02W 30/522		DELETE
Y02W 30/523		DELETE
Y02W 30/524		DELETE
Y02W 30/525		DELETE
Y02W 30/526		DELETE
Y02W 30/527		DELETE
Y02W 30/528		DELETE
Y02W 30/54		DELETE
Y02W 30/541		DELETE
Y02W 30/542		DELETE
Y02W 30/543		DELETE
Y02W 30/61		DELETE
Y02W 30/622		DELETE
Y02W 30/625		DELETE
Y02W 30/628		DELETE
Y02W 30/642		DELETE
Y02W 30/644		DELETE
Y02W 30/646		DELETE
Y02W 30/648		DELETE
Y02W 30/663		DELETE
Y02W 30/667		DELETE
Y02W 30/68		DELETE
Y02W 30/683		DELETE
Y02W 30/687		DELETE
Y02W 30/70		DELETE
Y02W 30/701		DELETE
Y02W 30/702		DELETE
Y02W 30/703		DELETE
Y02W 30/704		DELETE
Y02W 30/705		DELETE
Y02W 30/706		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02W 30/72		DELETE
Y02W 30/76		DELETE
Y02W 30/801		DELETE
Y02W 30/802		DELETE
Y02W 30/803		DELETE
Y02W 30/804		DELETE
Y02W 30/805		DELETE
Y02W 30/806		DELETE
Y02W 30/807		DELETE
Y02W 30/821		DELETE
Y02W 30/822		DELETE
Y02W 30/823		DELETE
Y02W 30/824		DELETE
Y02W 30/825		DELETE
Y02W 30/826		DELETE
Y02W 30/827		DELETE
Y02W 30/828		DELETE
Y02W 30/829		DELETE
Y02W 30/86		DELETE
Y02W 30/88		DELETE
Y02W 30/881		DELETE
Y02W 30/882		DELETE
Y02W 30/883		DELETE
Y02W 30/884		DELETE
Y02W 30/90		DELETE
Y02W 30/92		DELETE
Y02W 30/93		DELETE
Y02W 30/94		DELETE
Y02W 30/95		DELETE
Y02W 30/96		DELETE
Y02W 30/97		DELETE
Y02W 90/11		DELETE
Y02W 90/12		DELETE
Y02W 90/13		DELETE
Y02W 90/14		DELETE
Y02W 90/20		DELETE
Y04S 10/10		DELETE
Y04S 10/24		DELETE
Y04S 10/26		DELETE
Y04S 10/265		DELETE
Y04S 10/522		DELETE
Y04S 10/525		DELETE
Y04S 10/527		DELETE
Y04S 10/54		DELETE
Y04S 10/542		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y04S 10/545		DELETE
Y04S 10/547		DELETE
Y04S 10/56		DELETE
Y04S 10/58		DELETE
Y04S 10/60		DELETE
Y04S 20/10		DELETE
Y04S 20/16		DELETE
Y04S 20/18		DELETE
Y04S 20/22		DELETE
Y04S 20/224		DELETE
Y04S 20/225		DELETE
Y04S 20/227		DELETE
Y04S 20/228		DELETE
Y04S 20/24		DELETE
Y04S 20/32		DELETE
Y04S 20/322		DELETE
Y04S 20/325		DELETE
Y04S 20/327		DELETE
Y04S 20/34		DELETE
Y04S 20/36		DELETE
Y04S 20/38		DELETE
Y04S 20/40		DELETE
Y04S 20/42		DELETE
Y04S 20/44		DELETE
Y04S 20/46		DELETE
Y04S 20/48		DELETE
Y04S 20/50		DELETE
Y04S 20/52		DELETE
Y04S 20/525		DELETE
Y04S 40/10		DELETE
Y04S 40/122		DELETE
Y04S 40/123		DELETE
Y04S 40/125		DELETE
Y04S 40/127		DELETE
Y04S 40/14		DELETE
Y04S 40/143		DELETE
Y04S 40/146		DELETE
Y04S 40/16		DELETE
Y04S 40/162		DELETE
Y04S 40/164		DELETE
Y04S 40/166		DELETE
Y04S 40/168		DELETE
Y04S 40/22		DELETE
Y04S 40/24		DELETE

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*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.
- T 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)

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>
B01J20/00	Y02C10/08	Informative references	<u>Replace</u> the referenced symbol with the following symbol: Y02C 20/40
B60H1/00278	Y02E60/12	Informative references	<u>Replace</u> the referenced symbol with the following symbol: Y02E 60/10
B63B1/00	Y02T70/12	Informative references	<u>Replace</u> the referenced symbol with the following symbol: Y02T 70/10
B63B21/00	Y02E10/28	Informative references	<u>Replace</u> the referenced symbol with the following symbol: Y02E 10/20
C12P	Biofuels Y02E50/10	Informative references	<u>Replace</u> the existing row with the following <u>new</u> row: Biofuels, e.g. bio-diesel Y02E 50/10
C12P	Y02E50/13	Informative references	<u>Delete</u> the entire row.
C12P	Y02E50/16	Informative references	<u>Delete</u> the entire row.
C12P	Y02E50/17	Informative references	<u>Delete</u> the entire row.
C12P	Y02E50/343	Informative references	<u>Replace</u> the referenced symbol with the following symbol: Y02E 50/30
F17C2221/013	Y02C10/14	Informative references	<u>Replace</u> the referenced symbol with the following symbol: Y02C 20/40
F17C2270/0128	Y02C10/14	Informative references	<u>Replace</u> the referenced symbol with the following symbol: Y02C 20/40

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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>
F26B	Production of biofuels through pyrolysis Y02E50/14	Informative references	<u>Replace</u> the existing row with the following <u>new</u> row: Biofuels, e.g. bio-diesel Y02E 50/10
F26B	Y02E50/15	Informative references	<u>Delete</u> the entire row.

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.