

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 793

DATE: JANUARY 1, 2020

PROJECT RP0386

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>SCHEME:</b>		
Symbols Deleted:	H02J	2001/002, 2001/004, 2001/006, 2001/008, 2001/106
	H02J	2003/001, 2003/002, 2003/003, 3/006, 2003/007, 2003/143, 2003/146, 2003/388
	H02J	2007/0001, 7/0004, 7/0006, 7/0008, 7/0009, 7/0011, 2007/0037, 2007/0039, 2007/004, 2007/0049, 2007/005, 7/0052, 7/0054, 7/0055, 7/0057, 2007/0059, 2007/006, 2007/0062, 7/0065, 7/0073, 7/0075, 7/0081, 7/0083, 7/009, 7/0093, 2007/0095, 2007/0096, 2007/0098, 7/041, 7/044, 7/047, 7/048, 7/082, 2007/105, 2007/143, 7/1453, 7/241, 7/242, 7/244, 7/245, 7/247, 7/248, 7/322, 7/324, 7/326, 7/328, 7/355
	H02J	2009/007, 2009/063, 2009/067, 2009/068
	H02J	13/001, 13/002, 13/0024, 13/0027, 13/0031, 13/0034, 13/0037, 13/0041, 13/0044, 13/0048, 13/0051, 13/0055, 13/0058, 13/0065, 13/0068, 13/0072
Symbols Deleted Pending Reclassification: (frozen (F))	H02J	2001/104
	H02J	3/005, 3/382, 3/383, 3/385, 3/386, 3/387
	H02J	5/005
	H02J	7/0003, 7/0021, 7/0022, 7/0026, 7/0027, 2007/0067, 7/0072, 7/0077, 7/0078, 7/008, 7/0085, 7/0086, 7/0088, 7/0091, 7/022, 7/025, 7/027, 7/042, 7/045, 7/085, 7/087, 2007/10, 7/125, 7/1461, 7/166
	H02J	13/0003, 13/0006, 13/0013, 13/0017, 13/0062, 13/0075, 13/0079, 13/0082, 13/0086, 13/0089, 13/0093, 13/0096
Symbols New:	H02J	1/001, 1/002, 1/082, 1/084, 1/086, 1/106, 1/109, 1/122
	H02J	3/001, 3/0012, 3/00125, 3/002, 3/003, 3/004, 3/007, 3/0073, 3/0075, 3/144, 3/241, 3/242, 3/322, 3/388, 3/466, 3/472
	H02J	7/00032, 7/00034, 7/00036, 7/00038, 7/00041, 7/00043, 7/00045, 7/00047, 7/0025, 7/00302, 7/00304, 7/00306, 7/00308, 7/00309, 7/0048, 7/0049, 7/005, 7/0069, 7/0071, 7/00711, 7/00712,

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		7/00714, 7/00716, 7/00718, 7/007182, 7/007184, 7/007186, 7/007188, 7/00719, 7/007192, 7/007194, 7/143, 7/243, 7/2434, 7/2437, 7/342
	H02J	9/007, 9/063, 9/067, 9/068
	H02J	13/00001, 13/00002, 13/00004, 13/00006, 13/00007, 13/00009, 13/0001, 13/00012, 13/00014, 13/00016, 13/00017, 13/00018, 13/00019, 13/0002, 13/00022, 13/00024, 13/00026, 13/00028, 13/00032, 13/00034, 13/00036, 13/0004, 13/0005
	H02J	15/007, 15/008
	H02J	50/001, 50/005, 50/402, 50/502
	H02J	2203/00, 2203/10, 2203/20
	H02J	2207/00, 2207/10, 2207/20, 2207/30, 2207/40, 2207/50
	H02J	2213/00, 2213/10
	H02J	2300/00, 2300/10, 2300/20, 2300/22, 2300/24, 2300/26, 2300/28, 2300/30, 2300/40
	H02J	2310/00, 2310/10, 2310/12, 2310/14, 2310/16, 2310/18, 2310/20, 2310/22, 2310/23, 2310/40, 2310/42, 2310/44, 2310/46, 2310/48, 2310/50, 2310/52, 2310/54, 2310/56, 2310/58, 2310/60, 2310/62, 2310/64, 2310/66, 2310/70
Titles Changed:	H02J	7/0013, 7/0029, 7/0042, 7/0045, 7/0047, 7/0063, 7/007, 7/1423
	H02J	9/06, 9/061, 9/062
	H02J	13/00
	H02J	15/00, 15/006
Warnings New:	H02J	1/00, 1/001, 1/002, 1/02, 1/04, 1/06, 1/08, 1/082, 1/084, 1/086, 1/10, 1/102, 2001/104, 1/106, 1/108, 1/109, 1/12, 1/122, 1/14, 1/16
	H02J	3/00, 3/001, 3/0012, 3/00125, 3/002, 3/003, 3/004, 3/005, 3/007, 3/0073, 3/0075, 3/008, 3/01, 3/02, 3/04, 3/06, 3/08, 3/10, 3/12, 3/14, 3/144, 3/16, 3/18, 3/1807, 3/1814, 3/1821, 3/1828, 3/1835, 3/1842, 3/185, 3/1857, 3/1864, 3/1871, 3/1878, 3/1885, 3/1892, 3/20, 3/22, 3/24, 3/241, 3/242, 3/26, 3/28, 3/30, 3/32, 3/322, 3/34, 3/36, 3/38, 3/381, 3/382, 3/383, 3/385, 3/386, 3/387, 3/388, 3/40, 3/42, 3/44, 3/46, 3/466, 3/472, 3/48, 3/50
	H02J	4/00
	H02J	7/00, 7/0003, 7/00032, 7/00034, 7/00045, 7/00047, 7/0013, 7/0014, 7/0016, 7/0018, 7/0019, 7/0021, 7/0022, 7/0024, 7/0025, 7/0026, 7/0027, 7/0029, 7/00302,

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
		7/00304, 7/00306, 7/00308, 7/00309, 7/0042, 7/0044, 7/0045, 7/0047, 7/0048, 7/0049, 7/005, 7/0063, 2007/0067, 7/007, 7/0071, 7/00711, 7/00712, 7/00714, 7/00716, 7/00718, 7/007182, 7/007184, 7/007186, 7/007188, 7/00719, 7/007192, 7/007194, 7/0072, 7/0077, 7/0078, 7/008, 7/0085, 7/0086, 7/0088, 7/0091, 7/022, 7/027, 7/042, 7/045, 7/085, 7/087, 2007/10, 7/125, 7/1461, 7/166
	H02J	13/00, 13/00001, 13/00002, 13/00004, 13/00006, 13/00007, 13/00009, 13/0001, 13/00012, 13/00014, 13/00016, 13/00017, 13/00018, 13/00019, 13/0002, 13/00022, 13/00024, 13/00026, 13/00028, 13/0003, 13/00032, 13/00034, 13/00036, 13/0004, 13/0005, 13/0006, 13/0013, 13/0017, 13/0062, 13/0075, 13/0079, 13/0082, 13/0086, 13/0089, 13/0093, 13/0096
	H02J	15/00, 15/007, 15/008
	H02J	50/001, 50/005, 50/10, 50/12, 50/30, 50/40, 50/402, 50/50, 50/502, 50/60, 50/70, 50/80, 50/90
	H02J	2203/10, 2203/20
	H02J	2207/20
	H02J	2213/10
	H02J	2300/20, 2300/22, 2300/24, 2300/26, 2300/28, 2300/30
	H02J	2310/22, 2310/40, 2310/42, 2310/44, 2310/46, 2310/48
Warnings Modified:	H02J	5/00, 5/005
	H02J	7/02, 7/025
	H02J	50/00

**The following subclasses/groups are also impacted by this Notice of Changes:**

A61N, B25F, B60K, B60L, H01F, H02H, H02M, H04B, H05B

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**This Notice of Changes includes the following:**

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

3.  REVISION CONCORDANCE LIST (RCL)

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

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

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

**SUBCLASS H02J - CIRCUIT ARRANGEMENTS OR SYSTEMS FOR SUPPLYING OR DISTRIBUTING ELECTRIC POWER; SYSTEMS FOR STORING ELECTRIC ENERGY**

<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<sup>#</sup></u>
C	H02J 1/00	0	Circuit arrangements for dc mains or dc distribution networks	H02J 1/00, H02J 1/001
N	H02J 1/001	1	{Hot plugging or unplugging of load or power modules to or from power distribution networks}	
D	H02J 2001/002	1	{Intermediate ac, e.g. dc supply with intermediated ac distribution}	<administrative transfer to H02J 1/002>
N	H02J 1/002	1	{Intermediate AC, e.g. DC supply with intermediated AC distribution}	
D	H02J 2001/004	1	{Distribution of power generated by fuel cells}	<administrative transfer to H02J 2300/30>
D	H02J 2001/006	1	{Provisions for temporary connection of dc sources of essentially the same voltage, e.g. jumpstart cables}	<administrative transfer to H02J 1/122>
D	H02J 2001/008	1	{Plural dc voltage, e.g. dc supply voltage with at least two different dc voltage levels}	<administrative transfer to H02J 1/082>
T	H02J 1/08	1	Three-wire systems; Systems having more than three wires	
N	H02J 1/082	2	{Plural DC voltage, e.g. DC supply voltage with at least two different DC voltage levels}	
N	H02J 1/084	2	{for selectively connecting the load or loads to one or several among a plurality of power lines or power sources}	
N	H02J1/086	3	{for providing alternative feeding paths between load or loads and source or sources when the main path fails}	
F	H02J 2001/104	3	{for synchronisation}	H02J 1/10, H02J 1/102, H02J 1/106, H02J 1/108, H02J 1/109, H02J 1/12 H02J 1/122
D	H02J 2001/106	3	{for load balancing or load symmetrisation}	<administrative transfer to H02J 1/106>
N	H02J 1/106	2	{for load balancing, symmetrisation, or sharing}	
T	H02J 1/108	2	{using diodes blocking reverse current flow (H02J 1/12 takes precedence)}	

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N	H02J 1/109	2	{Scheduling or re-scheduling the operation of the DC sources in a particular order, e.g. connecting or disconnecting the sources in sequential, alternating or in subsets, to meet a given demand}	
T	H02J 1/12	2	Parallel operation of dc generators with converters, e.g. with mercury-arc rectifier	
N	H02J 1/122	2	{Provisions for temporary connection of DC sources of essentially the same voltage, e.g. jumpstart cables}	
T	H02J 1/14	1	Balancing the load in a network	
T	H02J 3/00	0	Circuit arrangements for ac mains or ac distribution networks	
D	H02J 2003/001	1	{Emergency control, e.g. method to deal with contingencies}	<administrative transfer to H02J 3/001>
Q	H02J 3/001	1	{Methods to deal with contingencies, e.g. abnormalities, faults or failures}	H02J 3/001, H02J 3/0012, H02J 3/00125
N	H02J 3/0012	2	{Contingency detection}	
N	H02J 3/00125	2	{Transmission line or load transient problems, e.g. overvoltage, resonance or self-excitation of inductive loads (H02J 3/01 takes precedence)}	
D	H02J 2003/002	1	{Flicker reduction, e.g. compensation of flicker introduced by non linear load}	<administrative transfer to H02J 3/002>
N	H02J 3/002	1	{Flicker reduction, e.g. compensation of flicker introduced by non-linear load}	
D	H02J 2003/003	1	{Load forecast, e.g. method and systems for forecasting future load demand}	<administrative transfer to H02J 3/003>
N	H02J 3/003	1	{Load forecast, e.g. methods or systems for forecasting future load demand}	
N	H02J 3/004	1	{Generation forecast, e.g. methods or systems for forecasting future energy generation}	
F	H02J 3/005	1	{Arrangements for selectively connecting the load to one among a plurality of power lines or power sources (for providing uninterruptable power supply H02J 9/00)}	H02J 3/007, H02J 3/0075
D	H02J 3/006	2	{for providing alternative feeding paths between load and source when the main path fails, e.g. transformers, busbars}	<administrative transfer to H02J 3/0073>

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D	H02J 2003/007	1	{Simulating, e. g. planning, reliability check, modeling}	<administrative transfer to H02J 2203/20>
N	H02J 3/007	1	{Arrangements for selectively connecting the load or loads to one or several among a plurality of power lines or power sources (for providing uninterruptable power supply H02J 9/00)}	
N	H02J 3/0073	2	{for providing alternative feeding paths between load and source when the main path fails, e.g. transformers, busbars}	
N	H02J 3/0075	2	{for providing alternative feeding paths between load and source according to economic or energy efficiency considerations, e.g. economic dispatch}	
C	H02J 3/14	2	by switching loads on to, or off from, network, e.g. progressively balanced loading	H02J 3/14, H02J3/144
D	H02J 2003/143	3	{Household appliances management}	<administrative transfer to H02J 2310/14>
N	H02J 3/144	3	{Demand-response operation of the power transmission or distribution network}	
D	H02J 2003/146	3	{Tariff based load management}	<administrative transfer to H02J 2310/64>
C	H02J 3/24	1	Arrangements for preventing or reducing oscillations of power in networks (by control effected upon a single generator H02P 9/00)	H02J 3/24, H02J 3/241, H02J 3/242
N	H02J 3/241	2	{The oscillation concerning frequency}	
N	H02J 3/242	2	{using phasor measuring units [PMU]}	
C	H02J 3/32	2	using batteries with converting means	H02J 3/32, H02J 3/322
N	H02J 3/322	3	{the battery being on-board an electric or hybrid vehicle, e.g. vehicle to grid arrangements [V2G], power aggregation, use of the battery for network load balancing, coordinated or cooperative battery charging}	
T	H02J 3/38	1	Arrangements for parallelly feeding a single network by two or more generators, converters or transformers	
T	H02J 3/381	2	{Dispersed generators}	
F	H02J 3/382	3	{the generators exploiting renewable energy}	H02J 2300/20, H02J 2300/22, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466,

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				H02J 3/472, H02J 3/48, H02J 3/50
F	H02J 3/383	4	{Solar energy, e.g. photovoltaic energy (generation of electric power by conversion of light H02S)}	H02J 2300/24, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, H02J 3/50
F	H02J 3/385	5	{Maximum power point tracking control for photovoltaic sources}	H02J 2300/26, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, H02J 3/50
F	H02J 3/386	4	{Wind energy (wind motors F03D)}	H02J 2300/28, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, H02J 3/50
F	H02J 3/387	3	{using fuel cells (fuel cells per se H01M 8/00)}	H02J 2300/30, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, H02J 3/50
D	H02J 2003/388	2	{Islanding, i.e. disconnection of local power supply from the network}	<administrative transfer to H02J 3/388>
N	H02J 3/388	2	{Islanding, i.e. disconnection of local power supply from the network}	
C	H02J 3/46	2	Controlling of the sharing of output between the generators, converters, or transformers	H02J 3/46, H02J 3/466, H02J 3/472
N	H02J 3/466	3	{Scheduling the operation of the generators, e.g. connecting or disconnecting generators to meet a given demand}	
N	H02J 3/472	4	{For selectively connecting the AC sources in a particular order, e.g. sequential, alternating or subsets of sources}	
T	H02J 5/00	0	Circuit arrangements for transfer of electric power between ac networks and dc networks (H02J 3/36 takes precedence)	



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F	H02J 5/005	1	{with inductive power transfer (for charging H02J7/025)}	H02J 5/00, H02J 50/001, H02J 50/005, H02J 50/10, H02J 50/12, H02J 50/30, H02J 50/40, H02J 50/402, H02J 50/50, H02J 50/502, H02J 50/60, H02J 50/70, H02J 50/80, H02J 50/90
T	H02J 7/00	0	Circuit arrangements for charging or depolarising batteries or for supplying loads from batteries	
D	H02J 2007/0001	1	{Authentication, i.e. circuits for checking compatibility between one component, e.g. a battery or a battery charger, and another component, e.g. a power source}	<administrative transfer to H02J 7/00045>
D	H02J 7/0004	2	{with data exchange between battery and charger (H02J7/0011 takes precedence)}	<administrative transfer to H02J 7/00036>
D	H02J 7/0006	2	{using passive battery identification means, e.g. resistors, capacitors (H02J 7/0011 takes precedence; identification by mechanical connections H02J7/0045)}	<administrative transfer to H02J 7/00038>
D	H02J 7/0008	3	{in response to measured battery parameters, e.g. voltage, current, temperature profile}	<administrative transfer to H02J 7/00041>
D	H02J 7/0009	3	{using switches, contacts or markings, e.g. optical, magnetic, barcode}	<administrative transfer to H02J 7/00043>
F	H02J 7/0003	1	{with provision for charging different types of batteries}	H02J 7/00032, H02J 7/00034, H02J 7/00045, H02J 7/00047
N	H02J 7/00032	1	{characterised by data exchange}	
N	H02J 7/00034	2	{Charger exchanging data with an electronic device, i.e. telephone, whose internal battery is under charge}	
N	H02J 7/00036	2	{Charger exchanging data with battery}	
N	H02J 7/00038	2	{using passive battery identification means, e.g. resistors or capacitors (identification by mechanical connections H02J 7/0045)}	
N	H02J 7/00041	3	{in response to measured battery parameters, e.g. voltage, current or temperature profile}	
N	H02J 7/00043	3	{using switches, contacts or markings, e.g. optical, magnetic or barcode}	

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N	H02J 7/00045	2	{ Authentication, i.e. circuits for checking compatibility between one component, e.g. a battery or a battery charger, and another component, e.g. a power source }	
N	H02J 7/00047	1	{ with provisions for charging different types of batteries }	
D	H02J 7/0011	2	{ with charge circuits contained within battery unit }	<administrative transfer to H02J 7/00>
T	H02J 7/0013	1	{ acting upon several batteries simultaneously or sequentially (H02J 7/1423 takes precedence) }	
F	H02J 7/0021	2	{ Monitoring or indicating circuits (H02J 7/0026 takes precedence) }	H02J7/0047, H02J 7/0048, H02J 7/0049, H02J 7/005, H02J 7/0013, H02J 7/0014, H02J 7/0016, H02J 7/0018, H02J 7/0019, H02J 7/0024, H02J 7/0025
F	H02J 7/0022	2	{ Management of charging with batteries permanently connected to charge circuit (H02J 7/0014 takes precedence) }	H02J 7/0013, H02J 7/0014, H02J 7/0016, H02J 7/0018, H02J 7/0019, H02J 7/0024, H02J 7/0025
T	H02J 7/0024	2	{ Parallel/serial switching of connection of batteries to charge or load circuit }	
N	H02J 7/0025	2	{ Sequential battery discharge in systems with a plurality of batteries }	
F	H02J 7/0026	2	{ using safety or protection circuits, e.g. overcharge/discharge disconnection }	H02J 7/0029, H02J 7/00302, H02J 7/00304, H02J 7/00306, H02J 7/00308, H02J 7/00309
F	H02J 7/0027	2	{ Stations for charging mobile units, e.g. of electric vehicles, of mobile telephones (H02J 7/0021, H02J 7/0026 take precedence) }	H02J 3/322, H02J 7/0013, H02J 7/0014, H02J 7/0016, H02J 7/0018, H02J 7/0019, H02J 7/0024, H02J 7/0025, H02J 7/0042, H02J 7/0044, H02J 7/0045, H02J 2310/22, H02J 2310/40,

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<b>Type*</b>	<b>Symbol</b>	<b>Indent Level Number of dots (e.g. 0, 1, 2)</b>	<b>Title “CPC only” text should normally be enclosed in {curly brackets}**</b>	<b>Transferred to#</b>
				H02J 2310/42, H02J 2310/44, H02J 2310/46, H02J 2310/48
C	H02J 7/0029	1	{ with safety or protection devices or circuits }	H02J 7/0029, H02J 7/00302, H02J 7/00304, H02J 7/00306, H02J 7/00308, H02J 7/00309
N	H02J 7/00302	2	{ Overcharge protection }	
N	H02J 7/00304	2	{ Overcurrent protection }	
N	H02J 7/00306	2	{ Overdischarge protection }	
N	H02J 7/00308	2	{ Overvoltage protection }	
N	H02J 7/00309	2	{ Overheat or overtemperature protection }	
D	H02J 2007/0037	2	{ Overcharge protection }	<administrative transfer to H02J 7/00302>
D	H02J 2007/0039	2	{ Overcurrent protection }	<administrative transfer to H02J 7/00304>
D	H02J 2007/004	2	{ Overdischarge protection }	<administrative transfer to H02J 7/00306>
T	H02J 7/0042	1	{ characterised by the mechanical construction }	
T	H02J 7/0045	2	{ concerning the insertion or the connection of the batteries }	
C	H02J 7/0047	1	{ with monitoring or indicating devices or circuits }	H02J 7/0047, H02J 7/0048, H02J 7/005
N	H02J 7/0048	2	{ Detection of remaining charge capacity or state of charge [SOC] }	
D	H02J 2007/0049	2	{ Detection of fully charged condition }	<administrative transfer to H02J 7/0049>
N	H02J 7/0049	3	{ Detection of fully charged condition }	
N	H02J 7/005	2	{ Detection of state of health [SOH] }	
D	H02J 2007/005	2	{ Detection of remaining charge capacity }	<administrative transfer to H02J 7/0048>
D	H02J 7/0052	1	{ Charge circuits only (H02J 7/0003, H02J 7/0013, H02J 7/007 take precedence) }	<administrative transfer to H02J 7/00>
D	H02J 7/0054	2	{ Battery to battery charging (with circuits for polarity protection H02J 7/0034) }	<administrative transfer to H02J 7/342>
D	H02J 7/0055	2	{ adapted for charging from various sources, e.g. AC, DC, multivoltage }	<administrative transfer to H02J 2207/40>
D	H02J 7/0057	2	{ adapted for charge maintenance or battery rejuvenation (H02J 7/0075 takes precedence) }	<administrative transfer to H02J 7/0069>

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D	H02J 2007/0059	2	{characterised by the converter}	<Administrative transfer to H02J 2207/20>
D	H02J 2007/006	2	{Charge provided using dc bus or data bus of a computer}	<Administrative transfer to H02J 2207/30>
D	H02J 2007/0062	2	{Charge provided using USB port connectors}	<Administrative transfer to H02J 7/00>
C	H02J 7/0063	1	{with circuits adapted for supplying loads from the battery}	H02J 7/0025, H02J 7/0063, H02J 7/007, H02J 7/0071, H02J 7/00711, H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, H02J 7/007194
D	H02J 7/0065	2	{using converters specially adapted for use with a battery}	<administrative transfer to H02J 2207/20>
F	H02J 2007/0067	2	{Discharge management, i.e. discharge current reduction at low state of charge, sequential battery discharge in systems with a plurality of battery}	H02J 7/0025, H02J 7/007, H02J 7/0071, H02J 7/00711, H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, H02J 7/007194
U	H02J 7/0068	1	{Battery or charger load switching, e.g. concurrent charging and load supply (H02J 7/0013 takes precedence)}	
N	H02J 7/0069	1	{Charging or discharging for charge maintenance, battery initiation or rejuvenation}	
C	H02J 7/007	1	{Regulation of charging or discharging current or voltage}	H02J 7/007, H02J 7/00712, H02J 7/007188
N	H02J 7/0071	2	{with a programmable schedule }	

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N	H02J 7/00711	2	{ with introduction of pulses during the charging process }	
N	H02J 7/00712	2	{ the cycle being controlled or terminated in response to electric parameters }	
N	H02J 7/00714	3	{ in response to battery charging or discharging current }	
N	H02J 7/00716	4	{ in response to integrated charge or discharge current }	
N	H02J 7/00718	4	{ in response to charge current gradient }	
N	H02J 7/007182	3	{ in response to battery voltage }	
N	H02J 7/007184	4	{ in response to battery voltage gradient }	
N	H02J 7/007186	4	{ obtained with the battery disconnected from the charge or discharge circuit }	
N	H02J 7/007188	2	{ the charge cycle being controlled or terminated in response to non-electric parameters }	
N	H02J 7/00719	3	{ in response to degree of gas development in the battery }	
N	H02J 7/007192	3	{ in response to temperature }	
N	H02J 7/007194	4	{ of the battery }	
F	H02J 7/0072	2	{ using semiconductor devices only }	H02J 7/0071, H02J 7/00711, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, H02J 7/007194
D	H02J 7/0073	3	{ with a programmable charge schedule (H02J7/0093 takes precedence) }	<administrative transfer to H02J 7/0071>
D	H02J 7/0075	4	{ for charge maintenance, battery initiation or rejuvenation }	<administrative transfer to H02J 7/0069>
F	H02J 7/0077	3	{ the charge cycle being terminated in response to electric parameters (H02J7/0093 takes precedence) }	H02J 7/00, H02J 7/00712
F	H02J 7/0078	4	{ in response to discharge current, e.g. using a coulometer, pilot cell }	H02J 7/00714, H02J 7/00716, H02J 7/00718

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F	H02J 7/008	4	{ with the battery connected to the charge circuit }	H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184
D	H02J 7/0081	5	{ and in response to battery voltage gradient }	<administrative transfer to H02J 7/007184>
D	H02J 7/0083	5	{ and in response to charge current gradient }	<administrative transfer to H02J 7/00718>
F	H02J 7/0085	4	{ with the battery disconnected from the charge circuit }	H02J 7/00, H02J 7/007186
F	H02J 7/0086	5	{ and in response to battery voltage }	H02J 7/007182, H02J 7/007184
F	H02J 7/0088	3	{ the charge cycle being terminated in response to non-electric parameters (H02J 7/0093 takes precedence) }	H02J 7/00, H02J 7/007188
D	H02J 7/009	4	{ in response to degree of gas development in the battery }	<administrative transfer to H02J 7/00719>
F	H02J 7/0091	4	{ in response to temperature of the battery }	H02J 7/007192, H02J 7/007194
D	H02J 7/0093	3	{ with introduction of pulses during the charging process }	<administrative transfer to H02J 7/00711>
D	H02J 2007/0095	1	{ Control circuit supply, e.g. means for supplying power to the control circuit }	<Administrative transfer to H02J 2207/10>
D	H02J 2007/0096	1	{ Charger exchanging data with an electronic device, i.e. telephone, whose internal battery is under charge }	<Administrative transfer to H02J 7/00034>
D	H02J 2007/0098	1	{ Smart battery, e.g. battery with means for data exchanging with charger }	<Administrative transfer to H01M 10/4257>
T	H02J 7/02	1	for charging batteries from ac mains by converters	
F	H02J 7/022	2	{ characterised by the type of converter }	H02J 7/02, H02J 2207/20
F	H02J 7/025	3	{ using non-contact coupling, e.g. inductive, capacitive }	H02J 50/001, H02J 50/005, H02J 50/10, H02J 50/12, H02J 50/30, H02J 50/40, H02J 50/402, H02J 50/50, H02J 50/502, H02J 50/60, H02J 50/70, H02J 50/80, H02J 50/90, H02J 7/00, H02J 7/0042, H02J 7/0044, H02J 7/0045

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F	H02J 7/027	2	{ with safety or indicating device }	H02J 7/0029, H02J 7/00302, H02J 7/00304, H02J 7/00306, H02J 7/00308, H02J 7/00309, H02J 7/0047, H02J 7/0048, H02J 7/0049, H02J 7/005
D	H02J 7/041	3	{ with a programmable charge schedule }	<Administrative transfer to H02J 7/0071 >
F	H02J 7/042	3	{ the charge cycle being controlled in response to a measured parameter }	H02J 7/007, H02J 7/0071, H02J 7/00711, H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, H02J 7/007194
D	H02J 7/044	4	{ in response to integrated charge or discharge current }	<Administrative transfer to H02J 7/00716>
F	H02J 7/045	4	{ in response to voltage or current }	H02J 7/00714, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186
D	H02J 7/047	4	{ in response to temperature }	H02J 7/007192, H02J 7/007194
D	H02J 7/048	4	{ in response to degree of gas development in the battery }	<Administrative transfer to H02J 7/00719>
D	H02J 7/082	5	{ with a programmable charge schedule }	<Administrative transfer to H02J 7/0071>
F	H02J 7/085	5	{ the charge cycle being terminated in response to electric parameters }	H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186
F	H02J 7/087	5	{ the charge cycle being terminated in response to non-electric parameters }	H02J 7/007188, H02J 7/00719, H02J 7/007192, H02J 7/007194

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F	H02J 2007/10	4	{using semiconductor devices only}	H02J 7/007, H02J 7/0071, H02J 7/00711, H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, H02J 7/007194
D	H02J 2007/105	5	{with introduction of pulses during the charging process}	<administrative transfer to H02J 7/00711>
F	H02J 7/125	4	{in combination with discharge tubes or semiconductor devices}	H02J 7/007, H02J 7/0071, H02J 7/00711, H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, H02J 7/007194
M	H02J 7/1423	2	{with multiple batteries}	
D	H02J 2007/143	3	{Multiple generators}	<administrative transfer to H02J 7/143>
N	H02J 7/143	2	{with multiple generators}	
D	H02J 7/1453	2	{with temperature compensation}	H02J 7/007192, H02J 7/007194
F	H02J 7/1461	2	{with safety or indicating devices}	H02J 7/0029, H02J 7/00302, H02J 7/00304, H02J 7/00306, H02J 7/00308, H02J 7/00309, H02J 7/0047, H02J 7/0048, H02J 7/0049, H02J 7/005



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F	H02J 7/166	3	{with safety or indicating devices}	H02J 7/0029, H02J 7/00302, H02J 7/00304, H02J 7/00306, H02J 7/00308, H02J 7/00309, H02J 7/0047, H02J 7/0048, H02J 7/0049, H02J 7/005
T	H02J 7/24	3	using discharge tubes or semiconductor devices	
D	H02J 7/241	4	{using discharge tubes only}	<Administrative transfer to H02J 7/24>
D	H02J 7/242	4	{using semiconductor devices as final control devices}	<Administrative transfer to H02J 7/24>
N	H02J 7/243	4	{with on/off action}	
N	H02J 7/2434	4	{with pulse modulation}	
N	H02J 7/2437	4	{using thyristors or triacs as final control devices}	
D	H02J 7/244	5	{with on/off action}	<Administrative transfer to H02J 7/243>
D	H02J 7/245	5	{with pulse modulation}	<Administrative transfer to H02J 7/2434>
D	H02J 7/247	5	{using thyristors or triacs as final control devices}	<Administrative transfer to H02J 7/2437>
D	H02J 7/248	5	{characterised by the mechanical construction}	<Administrative transfer to H02J 7/0042>
D	H02J 7/322	2	{by variation of field, using discharge tubes}	<Administrative transfer to H02J 7/32>
D	H02J 7/324	2	{by variation of field, using semiconductor devices}	<Administrative transfer to H02J 7/32>
D	H02J 7/326	2	{by variation of field, using armature-reaction-excited machines}	<Administrative transfer to H02J 7/32>
D	H02J 7/328	2	{by variation of field, using magnetic devices having controllable degree of saturation}	<Administrative transfer to H02J 7/32>
U	H02J 7/34	1	Parallel operation in networks using both storage and other dc sources, e.g. providing buffering (H02J 7/14 takes precedence)	
N	H02J 7/342	2	{The other DC source being a battery actively interacting with the first one, i.e. battery to battery charging (with circuits for polarity protection H02J 7/0034)}	
D	H02J 7/355	3	{characterised by the mechanical construction}	<administrative transfer to H02J 7/35>

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U	H02J 9/005	1	{using a power saving mode (for copiers G03G 15/5004)}	
D	H02J 2009/007	2	{Detection of the absence of a load}	<administrative transfer to H02J 9/007>
N	H02J 9/007	2	{Detection of the absence of a load}	
U	H02J 9/04	1	in which the distribution system is disconnected from the normal source and connected to a standby source	
M	H02J 9/06	2	with automatic change-over {, e.g. UPS systems}	
M	H02J 9/061	3	{for DC powered loads}	
M	H02J 9/062	3	{for AC powered loads}	
D	H02J 2009/063	4	{Common neutral, e.g. ac input neutral line connected to ac output neutral line and dc middle point}	<administrative transfer to H02J 9/063>
N	H02J 9/063	4	{Common neutral, e.g. AC input neutral line connected to AC output neutral line and DC middle point}	
U	H02J 9/065	4	{for lighting purposes}	
D	H02J 2009/067	3	{using multi-primary transformers, e.g. transformer having one primary for each ac energy source and a secondary for the loads}	<administrative transfer to H02J 9/067>
N	H02J 9/067	3	{using multi-primary transformers, e.g. transformer having one primary for each AC energy source and a secondary for the loads}	
D	H02J 2009/068	3	{Electronic means for switching from one power supply to another power supply, e.g. to avoid parallel connection}	<administrative transfer to H02J 9/068>
N	H02J 9/068	3	{Electronic means for switching from one power supply to another power supply, e.g. to avoid parallel connection}	
T	H02J 13/00	0	Circuit arrangements for providing remote indication of network conditions, e.g. an instantaneous record of the open or closed condition of each circuitbreaker in the network; Circuit arrangements for providing remote control of switching means in a power distribution network, e.g. switching in and out of current consumers by using a pulse code signal carried by the network	

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N	H02J 13/00001	1	{ characterised by the display of information or by user interaction, e.g. supervisory control and data acquisition systems [SCADA] or graphical user interfaces [GUI]}	
N	H02J 13/00002	1	{ characterised by monitoring }	
N	H02J 13/00004	1	{ characterised by the power network being locally controlled }	
N	H02J 13/00006	1	{ characterised by information or instructions transport means between the monitoring, controlling or managing units and monitored, controlled or operated power network element or electrical equipment }	
N	H02J 13/00007	2	{ using the power network as support for the transmission }	
N	H02J 13/00009	3	{ using pulsed signals }	
N	H02J 13/0001	3	{ using modification of a parameter of the network power signal }	
N	H02J 13/00012	2	{ using an auxiliary transmission line }	
N	H02J 13/00014	3	{ carrying signals having the network frequency or DC signals }	
N	H02J 13/00016	2	{ using a wired telecommunication network or a data transmission bus }	
N	H02J 13/00017	3	{ using optical fiber }	
N	H02J 13/00018	3	{ using phone lines }	
N	H02J 13/00019	2	{ using optical means }	
N	H02J 13/0002	2	{ using ultrasonic means }	
N	H02J 13/00022	2	{ using wireless data transmission }	
N	H02J 13/00024	3	{ by means of mobile telephony }	
N	H02J 13/00026	3	{ involving a local wireless network, e.g. Wi-Fi, ZigBee or Bluetooth }	
N	H02J 13/00028	2	{ involving the use of Internet protocols }	
F	H02J 13/0003	1	{ for DC networks }	H02J 1/00, H02J 1/001, H02J 1/002, H02J 1/02, H02J 1/04, H02J 1/06, H02J 1/08, H02J 1/082, H02J 1/084, H02J 1/086, H02J 1/10, H02J 1/102, H02J 1/106, H02J 1/108, H02J 1/109, H02J 1/12, H02J 1/122, H02J 1/14, H02J 1/16, H02J 13/00, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006,

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				H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, H02J 2213/10
N	H02J 13/00032	1	{Systems characterised by the controlled or operated power network elements or equipment, the power network elements or equipment not otherwise provided for (circuits specially adapted for remote switching of lighting via the power line H05B47/185)}	
N	H02J 13/00034	2	{the elements or equipment being or involving an electric power substation}	
N	H02J 13/00036	2	{the elements or equipment being or involving switches, relays or circuit breakers (circuits for indication of single switches H01H9/167)}	
N	H02J 13/0004	3	{involved in a protection system}	
N	H02J 13/0005	2	{the elements or equipment being or involving power plugs or sockets}	
F	H02J 13/0006	1	{for single frequency AC networks}	H02J 3/00, H02J 3/0012, H02J 3/00125, H02J 3/002, H02J 3/003, H02J 3/004, H02J 2203/10, H02J 2203/20, H02J 3/007, H02J 3/0073, H02J 3/0075, H02J 3/008, H02J 3/01, H02J 3/02, H02J 3/04, H02J 3/06, H02J 3/08,

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				H02J 3/10, H02J 3/12, H02J 3/14, H02J 3/144, H02J 3/16, H02J 3/18, H02J 3/1807, H02J 3/1814, H02J 3/1821, H02J 3/1828, H02J 3/1835, H02J 3/1842, H02J 3/185, H02J 3/1857, H02J 3/1864, H02J 3/1871, H02J 3/1878, H02J 3/1885, H02J 3/1892, H02J 3/20, H02J 3/22, H02J 3/24, H02J 3/241, H02J 3/242, H02J 3/26, H02J 3/28, H02J 3/30, H02J 3/32, H02J 3/322, H02J 3/34, H02J 3/36, H02J 3/38, H02J 3/381, H02J 3/472, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/48, H02J 3/50, H02J 13/00, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006, H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004,

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				H02J 13/0005, H02J 2213/10
D	H02J 13/001	2	{ characterised by the display, e.g. of data or controls }	<administrative transfer to H02J 13/00001>
F	H02J 13/0013	2	{ characterised by transmission structure between the control or monitoring unit and the controlled or monitored unit }	H02J 13/00, H02J 13/00006
F	H02J 13/0017	3	{ with direct transmission between the control or monitoring unit and the controlled or monitored unit }	H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002 H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, H02J 2213/10
D	H02J 13/002	4	{ using the power network as support for the transmission }	<Administrative transfer to H02J 13/00007>
D	H02J 13/0024	5	{ using pulsed signals }	<Administrative transfer to H02J 13/00009>
D	H02J 13/0027	6	{Details of signals treatment means }	<Administrative transfer to H02J 13/00009>
D	H02J 13/0031	7	{ using static semiconductor means }	<Administrative transfer to H02J 13/00009>
D	H02J 13/0034	8	{ Transmitters }	<Administrative transfer to H02J 13/00009>
D	H02J 13/0037	8	{ Receivers }	<Administrative transfer to H02J 13/00009>
D	H02J 13/0041	7	{ using lamps or electromechanical means }	<Administrative transfer to H02J 13/00009>
D	H02J 13/0044	5	{ using DC signal superposition }	<Administrative transfer to H02J 13/00009>
D	H02J 13/0048	5	{ using modification of a parameter of the network power signal }	<Administrative transfer to H02J 13/00009>

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>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>
D	H02J 13/0051	6	{Zero-crossing time}	<Administrative transfer to H02J 13/00009>
D	H02J 13/0055	4	{using an auxiliary transmission line}	<Administrative transfer to H02J 13/00012>
D	H02J 13/0058	5	{carrying signals having the network frequency or DC signals}	<Administrative transfer to H02J 13/00014>
F	H02J 13/0062	4	{using a data transmission bus}	H02J 13/00016, H02J 13/00017
D	H02J 13/0065	4	{using optical means}	<Administrative transfer to H02J 13/00019>
D	H02J 13/0068	4	{using ultrasonic means}	<Administrative transfer to H02J 13/0002>
D	H02J 13/0072	4	{using phone lines}	<administrative transfer to H02J 13/00018>
F	H02J 13/0075	4	{using radio means}	H02J 13/00022, H02J 13/00024, H02J 13/00026
F	H02J 13/0079	3	{with transmission using an intermediate treatment level between the control or monitoring unit and the controlled or monitored unit}	H02J 13/00, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006, H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012 H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, H02J 2213/10
F	H02J 13/0082	4	{using the power network as transmission support}	H02J 2213/10, H02J 13/00007, H02J 13/00009, H02J 13/0001

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
F	H02J 13/0086	3	{with transmission using plurality of intermediate treatment level between the control or monitoring unit and the controlled or monitored unit}	H02J 13/00, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006, H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012 H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, H02J 2213/10
F	H02J 13/0089	4	{using the power network as transmission support}	H02J 2213/10, H02J 13/00007, H02J 13/00009, H02J 13/0001
F	H02J 13/0093	1	{for AC networks with plurality frequencies}	H02J 3/02, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006, H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032,



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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, H02J 2213/10
F	H02J 13/0096	1	{for networks combining AC and DC power}	H02J 3/02, H02J 4/00, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006, H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, H02J 2213/10
C	H02J 15/00	0	Systems for storing electric energy (mechanical systems therefor F01-F04; in chemical form H01M)	H02J 15/00, H02J 15/007, H02J 15/008
M	H02J 15/006	1	{in the form of pneumatic energy, e.g. compressed air energy storage [CAES] (accumulators for supplying fluid under pressure F15B1/04 )}	
N	H02J 15/007	1	{involving storage in the form of mechanical energy, e.g. fly-wheels}	
N	H02J 15/008	1	{using hydrogen as energy vector}	
C	H02J 50/00	0	Circuit arrangements or systems for wireless supply or distribution of electric power	H02J 50/00, H02J 50/001, H02J 50/005
N	H02J 50/001	1	{Energy harvesting or scavenging}	

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<b>Type*</b>	<b>Symbol</b>	<b>Indent Level Number of dots (e.g. 0, 1, 2)</b>	<b>Title “CPC only” text should normally be enclosed in {curly brackets}**</b>	<b>Transferred to#</b>
N	H02J 50/005	1	{Mechanical details of housing or structure aiming to accommodate the power transfer means, e.g. mechanical integration of coils, antennas or transducers into emitting or receiving devices}	
C	H02J 50/40	1	using two or more transmitting or receiving devices (H02J50/50 takes precedence)	H02J 50/40, H02J 50/402
N	H02J 50/402	2	{the two or more transmitting or the two or more receiving devices being integrated in the same unit, e.g. power mats with several coils or antennas with several sub-antennas }	
C	H02J 50/50	1	using additional energy repeaters between transmitting devices and receiving devices	H02J 50/50, H02J 50/502
N	H02J 50/502	2	{the energy repeater being integrated together with the emitter or the receiver}	
N	H02J 2203/00	0	Indexing scheme relating to details of circuit arrangements for AC mains or AC distribution networks	<for additional classification only>
N	H02J 2203/10	1	Power transmission or distribution systems management focussing at grid-level, e.g. load flow analysis, node profile computation, meshed network optimisation, active network management or spinning reserve management	
N	H02J 2203/20	1	Simulating, e.g. planning, reliability check, modelling or computer assisted design [CAD]	
N	H02J 2207/00	0	Indexing scheme relating to details of circuit arrangements for charging or depolarising batteries or for supplying loads from batteries	<for additional classification only>
N	H02J 2207/10	1	Control circuit supply, e.g. means for supplying power to the control circuit	
N	H02J 2207/20	1	Charging or discharging characterised by the power electronics converter	
N	H02J 2207/30	1	Charge provided using DC bus or data bus of a computer	
N	H02J 2207/40	1	adapted for charging from various sources, e.g. AC, DC or multivoltage	

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
N	H02J 2207/50	1	Charging of capacitors, supercapacitors, ultra-capacitors or double layer capacitors (using capacitors as storage or buffering device in cooperation with batteries H02J 7/345)	<for additional classification only>
N	H02J 2213/00	0	Indexing scheme relating to details of circuit arrangements for providing remote indication of network conditions of for circuit arrangements for providing remote control of switching means in a power distribution network	<for additional classification only>
N	H02J 2213/10	1	using simultaneously two or more different transmission means	
N	H02J 2300/00	0	Systems for supplying or distributing electric power characterised by decentralized, dispersed, or local generation	<for additional classification only>
N	H02J 2300/10	1	The dispersed energy generation being of fossil origin, e.g. diesel generators	<for additional classification only>
N	H02J 2300/20	1	The dispersed energy generation being of renewable origin	
N	H02J 2300/22	2	The renewable source being solar energy	
N	H02J 2300/24	3	of photovoltaic origin	
N	H02J 2300/26	4	involving maximum power point tracking control for photovoltaic sources (maximum power point systems in particular G05F1/67)	
N	H02J 2300/28	2	The renewable source being wind energy (wind motors F03D)	
N	H02J 2300/30	1	The power source being a fuel cell	
N	H02J 2300/40	1	wherein a plurality of decentralised, dispersed or local energy generation technologies are operated simultaneously	<for additional classification only>
N	H02J 2310/00	0	The network for supplying or distributing electric power characterised by its spatial reach or by the load	<for additional classification only>
N	H02J 2310/10	1	The network having a local or delimited stationary reach	<for additional classification only>
N	H02J 2310/12	2	The local stationary network supplying a household or a building	<for additional classification only>
N	H02J 2310/14	3	The load or loads being home appliances	

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<b>Type*</b>	<b>Symbol</b>	<b>Indent Level Number of dots (e.g. 0, 1, 2)</b>	<b>Title “CPC only” text should normally be enclosed in {curly brackets}**</b>	<b>Transferred to#</b>
N	H02J 2310/16	3	The load or loads being an Information and Communication Technology [ICT] facility	<for additional classification only>
N	H02J 2310/18	2	The network being internal to a power source or plant	<for additional classification only>
N	H02J 2310/20	2	The network being internal to a load	<for additional classification only>
N	H02J 2310/22	3	The load being a portable electronic device	
N	H02J 2310/23	3	The load being a medical device, a medical implant, or a life supporting device	<for additional classification only>
N	H02J 2310/40	1	The network being an on-board power network, i.e. within a vehicle	
N	H02J 2310/42	2	for ships or vessels	
N	H02J 2310/44	2	for aircrafts	
N	H02J 2310/46	2	for ICE-powered road vehicles	
N	H02J 2310/48	2	for electric vehicles [EV] or hybrid vehicles [HEV]	
N	H02J 2310/50	1	for selectively controlling the operation of the loads	<for additional classification only>
N	H02J 2310/52	2	The controlling of the operation of the load not being the total disconnection of the load, i.e. entering a degraded mode or in current limitation	<for additional classification only>
N	H02J 2310/54	2	according to a pre-established time schedule	<for additional classification only>
N	H02J 2310/56	2	characterised by the condition upon which the selective controlling is based	<for additional classification only>
N	H02J 2310/58	3	The condition being electrical	<for additional classification only>
N	H02J 2310/60	4	Limiting power consumption in the network or in one section of the network, e.g. load shedding or peak shaving	<for additional classification only>
N	H02J 2310/62	3	The condition being non-electrical, e.g. temperature	<for additional classification only>
N	H02J 2310/64	4	The condition being economic, e.g. tariff based load management	
N	H02J 2310/66	2	one of the loads acting as master and the other or others acting as slaves	<for additional classification only>
N	H02J 2310/70	1	Load identification	<for additional classification only>

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

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reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

#### NOTES:

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

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B. New, Modified or Deleted Warning(s)**SUBCLASS H02J - CIRCUIT ARRANGEMENTS OR SYSTEMS FOR SUPPLYING OR DISTRIBUTING ELECTRIC POWER; SYSTEMS FOR STORING ELECTRIC ENERGY**

Type	Location	Old warning	New warning
N	H02J 1/00		Group H02J 1/00 is incomplete pending reclassification of documents from group H02J 13/0003. Group H02J 1/00 is also impacted by reclassification into group H02J 1/001. Groups H02J 13/0003, H02J 1/00, and H02J 1/001 should be considered in order to perform a complete search.
N	H02J 1/001		Group H02J 1/001 is incomplete pending reclassification of documents from groups H02J 1/00 and H02J 13/0003. Groups H02J 1/00, H02J 13/0003, and H02J 1/001 should be considered in order to perform a complete search.
N	H02J 1/002		Group H02J 1/002 is incomplete pending reclassification of documents from group H02J 13/0003. Groups H02J 13/0003 and H02J 1/002 should be considered in order to perform a complete search.
N	H02J 1/02		Group H02J 1/02 is incomplete pending reclassification of documents from group H02J 13/0003. Groups H02J 13/0003 and H02J 1/02 should be considered in order to perform a complete search.
N	H02J 1/04		Group H02J 1/04 is incomplete pending reclassification of documents from group H02J 13/0003. Groups H02J 13/0003 and H02J 1/04 should be considered in order to perform a complete search.
N	H02J 1/06		Group H02J 1/06 is incomplete pending reclassification of documents from group H02J 13/0003. Groups H02J 13/0003 and H02J 1/06 should be considered in order to perform a complete search.
N	H02J 1/08		Group H02J 1/08 is incomplete pending reclassification of documents from group H02J 13/0003. Groups H02J 13/0003 and H02J 1/08 should be considered in order to perform a complete search.
N	H02J 1/082		Group H02J 1/082 is incomplete pending reclassification of documents from group H02J 13/0003. Groups H02J 13/0003 and H02J 1/082 should be considered in order to perform a complete search.
N	H02J 1/084		Group H02J 1/084 is incomplete pending reclassification of documents from group H02J 13/0003. Groups H02J 13/0003 and H02J 1/084 should be considered in order to perform a complete search.

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N	H02J 1/086		Group H02J 1/086 is incomplete pending reclassification of documents from group H02J 13/0003. Groups H02J 13/0003 and H02J 1/086 should be considered in order to perform a complete search.
N	H02J 1/10		Group H02J 1/10 is incomplete pending reclassification of documents from groups H02J 2001/104 and H02J 13/0003. Groups H02J 2001/104, H02J 13/0003, and H02J 1/10 should be considered in order to perform a complete search.
N	H02J 1/102		Group H02J 1/102 is incomplete pending reclassification of documents from groups H02J 2001/104 and H02J 13/0003. Groups H02J 2001/104, H02J 13/0003, and H02J 1/102 should be considered in order to perform a complete search.
N	H02J 2001/104		Group H02J 2001/104 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 1/10, H02J 1/102, H02J 1/106, H02J 1/108, H02J 1/109, H02J 1/12, and H02J 1/122. Groups H02J 2001/104, H02J 1/10, H02J 1/102, H02J 1/106, H02J 1/108, H02J 1/109, H02J 1/12, and H02J 1/122 should be considered in order to perform a complete search.
N	H02J 1/106		Group H02J 1/106 is incomplete pending reclassification of documents from groups H02J 2001/104 and H02J 13/0003. Groups H02J 2001/104, H02J 13/0003, and H02J 1/106 should be considered in order to perform a complete search.
N	H02J 1/108		Group H02J 1/108 is incomplete pending reclassification of documents from groups H02J 2001/104 and H02J 13/0003. Groups H02J 2001/104, H02J 13/0003, and H02J 1/108 should be considered in order to perform a complete search.
N	H02J 1/109		Group H02J 1/109 is incomplete pending reclassification of documents from groups H02J 2001/104 and H02J 13/0003. Groups H02J 2001/104, H02J 13/0003, and H02J 1/109 should be considered in order to perform a complete search.
N	H02J 1/12		Group H02J 1/12 is incomplete pending reclassification of documents from groups H02J 2001/104 and H02J 13/0003. Groups H02J 2001/104, H02J 13/0003, and H02J 1/12 should be considered in order to perform a complete search.
N	H02J 1/122		Group H02J 1/122 is incomplete pending reclassification of documents from groups H02J 2001/104 and H02J 13/0003. Groups H02J 2001/104, H02J 13/0003, and H02J 1/122 should be considered in order to perform a complete search.
N	H02J 1/14		Group H02J 1/14 is incomplete pending reclassification of documents from group H02J 13/0003. Groups H02J 13/0003 and H02J 1/14 should be considered in order to perform a complete search.

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N	H02J 1/16		Group H02J 1/16 is incomplete pending reclassification of documents from group H02J 13/0003. Groups H02J 13/0003 and H02J 1/16 should be considered in order to perform a complete search.
N	H02J 3/00		Group H02J 3/00 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/00 should be considered in order to perform a complete search.
N	H02J 3/001		Group H02J 3/001 is impacted by reclassification into groups H02J 3/0012 and H02J 3/00125. Groups H02J 3/001, H02J 3/0012, and H02J 3/00125 should be considered in order to perform a complete search.
N	H02J 3/0012		Group H02J 3/0012 is incomplete pending reclassification of documents from groups H02J 3/001 and H02J 13/0006. Groups H02J 3/001, H02J 13/0006, and H02J 3/0012 should be considered in order to perform a complete search.
N	H02J 3/00125		Group H02J 3/00125 is incomplete pending reclassification of documents from groups H02J 3/001 and H02J 13/0006. Groups H02J 3/001, H02J 13/0006, and H02J 3/00125 should be considered in order to perform a complete search.
N	H02J 3/002		Group H02J 3/002 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/002 should be considered in order to perform a complete search.
N	H02J 3/003		Group H02J 3/003 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/003 should be considered in order to perform a complete search.
N	H02J 3/004		Group H02J 3/004 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/004 should be considered in order to perform a complete search.
N	H02J 3/005		Group H02J 3/005 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 3/007 and H02J 3/0075. Groups H02J 3/005, H02J 3/007, and H02J 3/0075 should be considered in order to perform a complete search.
N	H02J 3/007		Group H02J 3/007 is incomplete pending reclassification of documents from groups H02J 3/005 and H02J 13/0006. Groups H02J 3/005, H02J 13/0006, and H02J 3/007 should be considered in order to perform a complete search.



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N	H02J 3/0073		Group H02J 3/0073 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/0073 should be considered in order to perform a complete search.
N	H02J 3/0075		Group H02J 3/0075 is incomplete pending reclassification of documents from groups H02J 3/005 and H02J 13/0006. Groups H02J 3/005, H02J 13/0006, and H02J 3/0075 should be considered in order to perform a complete search.
N	H02J 3/008		Group H02J 3/008 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/008 should be considered in order to perform a complete search.
N	H02J 3/01		Group H02J 3/01 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/01 should be considered in order to perform a complete search.
N	H02J 3/02		Group H02J 3/02 is incomplete pending reclassification of documents from groups H02J 13/0006, H02J 13/0093, and H02J 13/0096. Groups H02J 3/02, H02J 13/0006, H02J 13/0093, and H02J 13/0096 should be considered in order to perform a complete search.
N	H02J 3/04		Group H02J 3/04 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/04 should be considered in order to perform a complete search.
N	H02J 3/06		Group H02J 3/06 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/06 should be considered in order to perform a complete search.
N	H02J 3/08		Group H02J 3/08 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/08 should be considered in order to perform a complete search.
N	H02J 3/10		Group H02J 3/10 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/10 should be considered in order to perform a complete search.
N	H02J 3/12		Group H02J 3/12 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/12 should be considered in order to perform a complete search.

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N	H02J 3/14		Group H02J 3/14 is incomplete pending reclassification of documents from group H02J 13/0006. Group H02J 3/14 is also impacted by reclassification into group H02J 3/144. Groups H02J 13/0006, H02J 3/14, and H02J 3/144 should be considered in order to perform a complete search.
N	H02J 3/144		Group H02J 3/144 is incomplete pending reclassification of documents from groups H02J 3/14 and H02J 13/0006. Groups H02J 3/14, H02J 13/0006, and H02J 3/144 should be considered in order to perform a complete search.
N	H02J 3/16		Group H02J 3/16 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/16 should be considered in order to perform a complete search.
N	H02J 3/18		Group H02J 3/18 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/18 should be considered in order to perform a complete search.
N	H02J 3/1807		Group H02J 3/1807 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/1807 should be considered in order to perform a complete search.
N	H02J 3/1814		Group H02J 3/1814 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/1814 should be considered in order to perform a complete search.
N	H02J 3/1821		Group H02J 3/1821 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/1821 should be considered in order to perform a complete search.
N	H02J 3/1828		Group H02J 3/1828 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/1828 should be considered in order to perform a complete search.
N	H02J 3/1835		Group H02J 3/1835 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/1835 should be considered in order to perform a complete search.
N	H02J 3/1842		Group H02J 3/1842 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/1842 should be considered in order to perform a complete search.

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N	H02J 3/185		Group H02J 3/185 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/185 should be considered in order to perform a complete search.
N	H02J 3/1857		Group H02J 3/1857 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/1857 should be considered in order to perform a complete search.
N	H02J 3/1864		Group H02J 3/1864 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/1864 should be considered in order to perform a complete search.
N	H02J 3/1871		Group H02J 3/1871 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/1871 should be considered in order to perform a complete search.
N	H02J 3/1878		Group H02J 3/1878 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/1878 should be considered in order to perform a complete search.
N	H02J 3/1885		Group H02J 3/1885 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/1885 should be considered in order to perform a complete search.
N	H02J 3/1892		Group H02J 3/1892 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/1892 should be considered in order to perform a complete search.
N	H02J 3/20		Group H02J 3/20 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/20 should be considered in order to perform a complete search.
N	H02J 3/22		Group H02J 3/22 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/22 should be considered in order to perform a complete search.
N	H02J 3/24		Group H02J 3/24 is incomplete pending reclassification of documents from group H02J 13/0006. Group H02J 3/24 is also impacted by reclassification into groups H02J 3/241 and H02J 3/242. Groups H02J 3/24, H02J 13/0006, H02J 3/241 and H02J 3/242 should be considered in order to perform a complete search.

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N	H02J 3/241		Group H02J 3/241 is incomplete pending reclassification of documents from groups H02J 3/24 and H02J 13/0006. Groups H02J 3/24, H02J 13/0006, and H02J 3/241 should be considered in order to perform a complete search.
N	H02J 3/242		Group H02J 3/242 is incomplete pending reclassification of documents from groups H02J 3/24 and H02J 13/0006. Groups H02J 3/24, H02J 13/0006, and H02J 3/242 should be considered in order to perform a complete search.
N	H02J 3/26		Group H02J 3/26 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/26 should be considered in order to perform a complete search.
N	H02J 3/28		Group H02J 3/28 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/28 should be considered in order to perform a complete search.
N	H02J 3/30		Group H02J 3/30 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/30 should be considered in order to perform a complete search.
N	H02J 3/32		Group H02J 3/32 is incomplete pending reclassification of documents from group H02J 13/0006. Group H02J 3/32 is also impacted by reclassification into group H02J 3/322. Groups H02J 13/0006, H02J 3/32, and H02J 3/322 should be considered in order to perform a complete search.
N	H02J 3/322		Group H02J 3/322 is incomplete pending reclassification of documents from groups H02J 3/32, H02J 7/0027, and H02J 13/0006. Groups H02J 3/322, H02J 3/32, H02J 7/0027, and H02J 13/0006 should be considered in order to perform a complete search.
N	H02J 3/34		Group H02J 3/34 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/34 should be considered in order to perform a complete search.
N	H02J 3/36		Group H02J 3/36 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/36 should be considered in order to perform a complete search.
N	H02J 3/38		Group H02J 3/38 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/38 should be considered in order to perform a complete search.

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N	H02J 3/381		Group H02J 3/381 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 3/381 should be considered in order to perform a complete search.
N	H02J 3/382		Group H02J 3/382 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 2300/20, H02J 2300/22, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, and H02J 3/50. Groups H02J 3/382, H02J 2300/20, H02J 2300/22, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, and H02J 3/50 should be considered in order to perform a complete search.
N	H02J 3/383		Group H02J 3/383 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 2300/24, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, and H02J 3/50. Groups H02J 3/383, H02J 2300/24, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, and H02J 3/50 should be considered in order to perform a complete search.
N	H02J 3/385		Group H02J 3/385 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 2300/26, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, and H02J 3/50. Groups H02J 3/385, H02J 2300/26, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, and H02J 3/50 should be considered in order to perform a complete search.
N	H02J 3/386		Group H02J 3/386 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 2300/28, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, and H02J 3/50. Groups H02J 3/386, H02J 2300/28, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, and H02J 3/50 should be considered in order to perform a complete search.
N	H02J 3/387		Group H02J 3/387 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 2300/30, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, and H02J 3/50.

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			Groups H02J 3/387, H02J 2300/30, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, and H02J 3/50 should be considered in order to perform a complete search.
N	H02J 3/388		Group H02J 3/388 is incomplete pending reclassification of documents from groups H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, and H02J 13/0006. Groups H02J 3/388, H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, and H02J 13/0006 should be considered in order to perform a complete search.
N	H02J 3/40		Group H02J 3/40 is incomplete pending reclassification of documents from groups H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, and H02J 13/0006. Groups H02J 3/40, H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, and H02J 13/0006 should be considered in order to perform a complete search.
N	H02J 3/42		Group H02J 3/42 is incomplete pending reclassification of documents from groups H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, and H02J 13/0006. Groups H02J 3/42, H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, and H02J 13/0006 should be considered in order to perform a complete search.
N	H02J 3/44		Group H02J 3/44 is incomplete pending reclassification of documents from groups H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, and H02J 13/0006. Groups H02J 3/44, H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, and H02J 13/0006 should be considered in order to perform a complete search.
N	H02J 3/46		Group H02J 3/46 is incomplete pending reclassification of documents from groups H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, and H02J 13/0006. Group H02J 3/46 is also impacted by reclassification into groups H02J 3/466 and H02J 3/472. Groups H02J 3/46, H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, H02J 13/0006, H02J 3/466 and H02J 3/472 should be considered in order to perform a complete search.
N	H02J 3/466		Group H02J 3/466 is incomplete pending reclassification of documents from groups H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, and H02J 3/46. Groups H02J 3/466, H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, and H02J 3/46 should be considered in order to perform a complete search.

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N	H02J 3/472		Group H02J 3/472 is incomplete pending reclassification of documents from groups H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, H02J 3/46, and H02J 13/0006. Groups H02J 3/472, H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, H02J 3/46, and H02J 13/0006 should be considered in order to perform a complete search.
N	H02J 3/48		Group H02J 3/48 is incomplete pending reclassification of documents from groups H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, and H02J 13/0006. Groups H02J 3/48, H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, and H02J 13/0006 should be considered in order to perform a complete search.
N	H02J 3/50		Group H02J 3/50 is incomplete pending reclassification of documents from groups H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, and H02J 13/0006. Groups H02J 3/50, H02J 3/382, H02J 3/383, H02J 3/385, H02J 3/386, H02J 3/387, and H02J 13/0006 should be considered in order to perform a complete search.
N	H02J 4/00		Group H02J 4/00 is incomplete pending reclassification of documents from group H02J 13/0096. Groups H02J 13/0096 and H02J 4/00 should be considered in order to perform a complete search.
M	H02J 5/00	Group H02J 5/00 is impacted by reclassification into groups H02J 50/00 – H02J 50/90. Groups H02J 5/00 and H02J 50/00 – H02J 50/90 should be considered in order to perform a complete search.	Group H02J 5/00 is incomplete pending reclassification of documents from group H02J 5/005. Groups H02J 5/005 and H02J 5/00 should be considered in order to perform a complete search.
M	H02J 5/005	Group H02J 5/005 is impacted by reclassification into groups H02J 50/00 – H02J 50/90. Groups H02J 5/005 and H02J 50/00 – H02J 50/90 should be considered in order to perform a complete search.	Group H02J 5/005 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 5/00, H02J 50/001, H02J 50/005, H02J 50/10, H02J 50/12, H02J 50/30, H02J 50/40, H02J 50/402, H02J 50/50, H02J 50/502, H02J 50/60, H02J 50/70, H02J 50/80, and H02J 50/90. All groups listed in this Warning should be considered in order to perform a complete search.

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N	H02J 7/00		<p>Group H02J 7/00 is incomplete pending reclassification of documents from groups H02J 7/0077, H02J 7/0085, H02J 7/0088, and H02J 7/025.</p> <p>Groups H02J 7/00, H02J 7/0077, H02J 7/0085, H02J 7/0088, and H02J 7/025 should be considered in order to perform a complete search.</p>
N	H02J 7/0003		<p>Group H02J 7/0003 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/00032, H02J 7/00034, H02J 7/00045, and H02J 7/00047.</p> <p>Groups H02J 7/0003, H02J 7/00032, H02J 7/00034, H02J 7/00045, and H02J 7/00047 should be considered in order to perform a complete search.</p>
N	H02J 7/00032		<p>Group H02J 7/00032 is incomplete pending reclassification of documents from group H02J 7/0003.</p> <p>Groups H02J 7/0003 and H02J 7/00032 should be considered in order to perform a complete search.</p>
N	H02J 7/00034		<p>Group H02J 7/00034 is incomplete pending reclassification of documents from group H02J 7/0003.</p> <p>Groups H02J 7/0003 and H02J 7/00034 should be considered in order to perform a complete search.</p>
N	H02J 7/00045		<p>Group H02J 7/00045 is incomplete pending reclassification of documents from group H02J 7/0003.</p> <p>Groups H02J 7/0003 and H02J 7/00045 should be considered in order to perform a complete search.</p>
N	H02J 7/00047		<p>Group H02J 7/00047 is incomplete pending reclassification of documents from group H02J 7/0003.</p> <p>Groups H02J 7/0003 and H02J 7/00047 should be considered in order to perform a complete search.</p>
N	H02J 7/0013		<p>Group H02J 7/0013 is incomplete pending reclassification of documents from groups H02J 7/0021, H02J 7/0022, and H02J 7/0027.</p> <p>Groups H02J 7/0013, H02J 7/0021, H02J 7/0022, and H02J 7/0027 should be considered in order to perform a complete search.</p>
N	H02J 7/0014		<p>Group H02J 7/0014 is incomplete pending reclassification of documents from groups H02J 7/0021, H02J 7/0022, and H02J 7/0027.</p> <p>Groups H02J 7/0014, H02J 7/0021, H02J 7/0022, and H02J 7/0027 should be considered in order to perform a complete search.</p>
N	H02J 7/0016		<p>Group H02J 7/0016 is incomplete pending reclassification of documents from groups H02J 7/0021, H02J 7/0022, and H02J 7/0027.</p> <p>Groups H02J 7/0016, H02J 7/0021, H02J 7/0022, and H02J 7/0027 should be considered in order to perform a complete search.</p>



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N	H02J 7/0018		<p>Group H02J 7/0018 is incomplete pending reclassification of documents from groups H02J 7/0021, H02J 7/0022, and H02J 7/0027.</p> <p>Groups H02J 7/0018, H02J 7/0021, H02J 7/0022, and H02J 7/0027 should be considered in order to perform a complete search.</p>
N	H02J 7/0019		<p>Group H02J 7/0019 is incomplete pending reclassification of documents from groups H02J 7/0021, H02J 7/0022, and H02J 7/0027.</p> <p>Groups H02J 7/0019, H02J 7/0021, H02J 7/0022, and H02J 7/0027 should be considered in order to perform a complete search.</p>
N	H02J 7/0021		<p>Group H02J 7/0021 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/0047, H02J 7/0048, H02J 7/0049, H02J 7/005, H02J 7/0013, H02J 7/0014, H02J 7/0016, H02J 7/0018, H02J 7/0019, H02J 7/0024, and H02J 7/0025.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/0022		<p>Group H02J 7/0022 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/0013, H02J 7/0014, H02J 7/0016, H02J 7/0018, H02J 7/0019, H02J 7/0024, and H02J 7/0025.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/0024		<p>Group H02J 7/0024 is incomplete pending reclassification of documents from groups H02J 7/0021, H02J 7/0022, and H02J 7/0027.</p> <p>Groups H02J 7/0024, H02J 7/0021, H02J 7/0022, and H02J 7/0027 should be considered in order to perform a complete search.</p>
N	H02J 7/0025		<p>Group H02J 7/0025 is incomplete pending reclassification of documents from groups H02J 7/0021, H02J 7/0022, H02J 7/0027, H02J 7/0063, and H02J 2007/0067.</p> <p>Groups H02J 7/0025, H02J 7/0021, H02J 7/0022, H02J 7/0027, H02J 7/0063, and H02J 2007/0067 should be considered in order to perform a complete search.</p>
N	H02J 7/0026		<p>Group H02J 7/0026 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/0029, H02J 7/00302, H02J 7/00304, H02J 7/00306, H02J 7/00308, and H02J 7/00309.</p> <p>Groups H02J 7/0026, H02J 7/0029, H02J 7/00302, H02J 7/00304, H02J 7/00306, H02J 7/00308, and H02J 7/00309 should be considered in order to perform a complete search.</p>

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N	H02J 7/0027		<p>Group H02J 7/0027 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 3/322, H02J 7/0013, H02J 7/0014, H02J 7/0016, H02J 7/0018, H02J 7/0019, H02J 7/0024, H02J 7/0025, H02J 7/0042, H02J 7/0044, H02J 7/0045, H02J 2310/22, H02J 2310/40, H02J 2310/42, H02J 2310/44, H02J 2310/46, and H02J 2310/48.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/0029		<p>Group H02J 7/0029 is incomplete pending reclassification of documents from groups H02J 7/0026, H02J 7/027, H02J 7/1461, and H02J 7/166. Group H02J 7/0029 is also impacted by reclassification into groups H02J 7/00302, H02J 7/00304, H02J 7/00306, H02J 7/00308, and H02J 7/00309.</p> <p>Groups H02J 7/0029, H02J 7/0026, H02J 7/027, H02J 7/1461, and H02J 7/166, H02J 7/00302, H02J 7/00304, H02J 7/00306, H02J 7/00308, and H02J 7/00309 should be considered in order to perform a complete search.</p>
N	H02J 7/00302		<p>Group H02J 7/00302 is incomplete pending reclassification of documents from groups H02J 7/0026, H02J 7/0029, H02J 7/027, H02J 7/1461, and H02J 7/166.</p> <p>Groups H02J 7/00302, H02J 7/0026, H02J 7/0029, H02J 7/027, H02J 7/1461, and H02J 7/166 should be considered in order to perform a complete search.</p>
N	H02J 7/00304		<p>Group H02J 7/00304 is incomplete pending reclassification of documents from groups H02J 7/0026, H02J 7/0029, H02J 7/027, H02J 7/1461, and H02J 7/166.</p> <p>Groups H02J 7/00304, H02J 7/0026, H02J 7/0029, H02J 7/027, H02J 7/1461, and H02J 7/166 should be considered in order to perform a complete search.</p>
N	H02J 7/00306		<p>Group H02J 7/00306 is incomplete pending reclassification of documents from groups H02J 7/0026, H02J 7/0029, H02J 7/027, H02J 7/1461, and H02J 7/166.</p> <p>Groups H02J 7/00306, H02J 7/0026, H02J 7/0029, H02J 7/027, H02J 7/1461, and H02J 7/166 should be considered in order to perform a complete search.</p>
N	H02J 7/00308		<p>Group H02J 7/00308 is incomplete pending reclassification of documents from groups H02J 7/0026, H02J 7/0029, H02J 7/027, H02J 7/1461, and H02J 7/166.</p> <p>Groups H02J 7/00308, H02J 7/0026, H02J 7/0029, H02J 7/027, H02J 7/1461, and H02J 7/166 should be considered in order to perform a complete search.</p>

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N	H02J 7/00309		Group H02J 7/00309 is incomplete pending reclassification of documents from groups H02J 7/0026, H02J 7/0029, H02J 7/027, H02J 7/1461, and H02J 7/166. Groups H02J 7/00309, H02J 7/0026, H02J 7/0029, H02J 7/027, H02J 7/1461, and H02J 7/166 should be considered in order to perform a complete search.
N	H02J 7/0042		Group H02J 7/0042 is incomplete pending reclassification of documents from groups H02J 7/0027 and H02J 7/025. Groups H02J 7/0027, H02J 7/025, and H02J 7/0042 should be considered in order to perform a complete search.
N	H02J 7/0044		Group H02J 7/0044 is incomplete pending reclassification of documents from groups H02J 7/0027 and H02J 7/025. Groups H02J 7/0027, H02J 7/025, and H02J 7/0044 should be considered in order to perform a complete search.
N	H02J 7/0045		Group H02J 7/0045 is incomplete pending reclassification of documents from groups H02J 7/0027 and H02J 7/025. Groups H02J 7/0027, H02J 7/025, and H02J 7/0045 should be considered in order to perform a complete search.
N	H02J 7/0047		Group H02J 7/0047 is incomplete pending reclassification of documents from groups H02J 7/0021, H02J 7/027, H02J 7/1461, and H02J 7/166. Group H02J 7/0047 is also impacted by reclassification into groups H02J 7/0048 and H02J 7/005. Groups H02J 7/0047, H02J 7/0021, H02J 7/027, H02J 7/1461, and H02J 7/166 should be considered in order to perform a complete search.
N	H02J 7/0048		Group H02J 7/0048 is incomplete pending reclassification of documents from groups H02J 7/0021, H02J 7/0047, H02J 7/027, H02J 7/1461, and H02J 7/166. Groups H02J 7/0048, H02J 7/0021, H02J 7/0047, H02J 7/027, H02J 7/1461, and H02J 7/166 should be considered in order to perform a complete search.
N	H02J 7/0049		Group H02J 7/0049 is incomplete pending reclassification of documents from groups H02J 7/0021, H02J 7/027, H02J 7/1461, and H02J 7/166. Groups H02J 7/0049, H02J 7/0021, H02J 7/027, H02J 7/1461, and H02J 7/166 should be considered in order to perform a complete search.
N	H02J 7/005		Group H02J 7/005 is incomplete pending reclassification of documents from groups H02J 7/0021, H02J 7/0047, H02J 7/027, H02J 7/1461, and H02J 7/166. Groups H02J 7/005, H02J 7/0021, H02J 7/0047, H02J 7/027, H02J 7/1461, and H02J 7/166 should be considered in order to perform a complete search.

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N	H02J 7/0063		<p>Group H02J 7/0063 is impacted by reclassification into groups H02J 7/0025, H02J 7/007, H02J 7/0071, H02J 7/00711, H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, and H02J 7/007194.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 2007/0067		<p>Group H02J 2007/0067 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/0025, H02J 7/007, H02J 7/0071, H02J 7/00711, H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, and H02J 7/007194.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/007		<p>Group H02J 7/007 is incomplete pending reclassification of documents from groups H02J 7/0063, H02J 2007/0067, H02J 7/042, H02J 2007/10, and H02J 7/125. Group H02J 7/007 is also impacted by reclassification into groups H02J 7/00712 and H02J 7/007188.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/0071		<p>Group H02J 7/0071 is incomplete pending reclassification of documents from groups H02J 7/0063, H02J 2007/0067, H02J 7/0072, H02J 7/042, H02J 2007/10, and H02J 7/125. Groups H02J 7/0071, H02J 7/0063, H02J 2007/0067, H02J 7/0072, H02J 7/042, H02J 2007/10, and H02J 7/125 should be considered in order to perform a complete search.</p>
N	H02J 7/00711		<p>Group H02J 7/00711 is incomplete pending reclassification of documents from groups H02J 7/0063, H02J 2007/0067, H02J 7/0072, H02J 7/042, H02J 2007/10, and H02J 7/125.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/00712		<p>Group H02J 7/00712 is incomplete pending reclassification of documents from groups H02J 7/0063, H02J 2007/0067, H02J 7/007, H02J 7/0077, H02J 7/008, H02J 7/042, H02J 7/085, H02J 2007/10, and H02J 7/125.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>

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N	H02J 7/00714		<p>Group H02J 7/00714 is incomplete pending reclassification of documents from groups H02J 7/0063, H02J 2007/0067, H02J 7/0072, H02J 7/0078, H02J 7/008, H02J 7/042, H02J 7/045, H02J 7/085, H02J 2007/10, and H02J 7/125.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/00716		<p>Group H02J 7/00716 is incomplete pending reclassification of documents from groups H02J 7/0063, H02J 2007/0067, H02J 7/0072, H02J 7/0078, H02J 7/008, H02J 7/042, H02J 7/085, H02J 2007/10, and H02J 7/125.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/00718		<p>Group H02J 7/00718 is incomplete pending reclassification of documents from groups H02J 7/0063, H02J 2007/0067, H02J 7/0072, H02J 7/0078, H02J 7/008, H02J 7/042, H02J 7/045, H02J 7/085, H02J 2007/10, and H02J 7/125.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/007182		<p>Group H02J 7/007182 is incomplete pending reclassification of documents from groups H02J 7/0063, H02J 2007/0067, H02J 7/0072, H02J 7/008, H02J 7/0086, H02J 7/042, H02J 7/045, H02J 7/085, H02J 2007/10, and H02J 7/125.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/007184		<p>Group H02J 7/007184 is incomplete pending reclassification of documents from groups H02J 7/0063, H02J 2007/0067, H02J 7/0072, H02J 7/008, H02J 7/0086, H02J 7/042, H02J 7/045, H02J 7/085, H02J 2007/10, and H02J 7/125.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/007186		<p>Group H02J 7/007186 is incomplete pending reclassification of documents from groups H02J 7/0063, H02J 2007/0067, H02J 7/0072, H02J 7/0085, H02J 7/042, H02J 7/045, H02J 7/085, H02J 2007/10, and H02J 7/125.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/007188		<p>Group H02J 7/007188 is incomplete pending reclassification of documents from groups H02J 7/0063, H02J 2007/0067, H02J 7/007, H02J 7/0072, H02J 7/0088, H02J 7/042, H02J 7/087, H02J 2007/10, and H02J 7/125.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>

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N	H02J 7/00719		<p>Group H02J 7/00719 is incomplete pending reclassification of documents from groups H02J 7/0063, H02J 2007/0067, H02J 7/0072, H02J 7/042, H02J 7/087, H02J 2007/10, and H02J 7/125.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/007192		<p>Group H02J 7/007192 is incomplete pending reclassification of documents from groups H02J 7/0063, H02J 2007/0067, H02J 7/0072, H02J 7/0091, H02J 7/042, H02J 7/087, H02J 2007/10, and H02J 7/125.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/007194		<p>Group H02J 7/007194 is incomplete pending reclassification of documents from groups H02J 7/0063, H02J 2007/0067, H02J 7/0072, H02J 7/0091, H02J 7/042, H02J 7/087, H02J 2007/10, and H02J 7/125. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/0072		<p>Group H02J 7/0072 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/0071, H02J 7/00711, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, and H02J 7/007194.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/0077		<p>Group H02J 7/0077 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/00 and H02J 7/00712.</p> <p>Groups H02J 7/0077, H02J 7/00, and H02J 7/00712 should be considered in order to perform a complete search.</p>
N	H02J 7/0078		<p>Group H02J 7/0078 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/00714, H02J 7/00716, and H02J 7/00718.</p> <p>Groups H02J 7/0078, H02J 7/00714, H02J 7/00716, and H02J 7/00718 should be considered in order to perform a complete search.</p>
N	H02J 7/008		<p>Group H02J 7/008 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, and H02J 7/007184.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>

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N	H02J 7/0085		Group H02J 7/0085 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/00 and H02J 7/007186. Groups H02J 7/0085, H02J 7/00, and H02J 7/007186 should be considered in order to perform a complete search.
N	H02J 7/0086		Group H02J 7/0086 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/007182 and H02J 7/007184. Groups H02J 7/0086, H02J 7/007182, and H02J 7/007184 should be considered in order to perform a complete search.
N	H02J 7/0088		Group H02J 7/0088 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/00 and H02J 7/007188. Groups H02J 7/0088, H02J 7/00, and H02J 7/007188 should be considered in order to perform a complete search.
N	H02J 7/0091		Group H02J 7/0091 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/007192 and H02J 7/007194. Groups H02J 7/0091, H02J 7/007192, and H02J 7/007194 should be considered in order to perform a complete search.
M	H02J 7/02	Group H02J 7/02 is impacted by reclassification into groups H02J 50/00 – H02J 50/90. Groups H02J 7/02 and H02J 50/00 – H02J 50/90 should be considered in order to perform a complete search.	Group H02J 7/02 is incomplete pending reclassification of documents from group H02J 7/022. Groups H02J 7/022 and H02J 7/02 should be considered in order to perform a complete search.
N	H02J 7/022		Group H02J 7/022 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/02 and H02J 2207/20. Groups H02J 7/022, H02J 7/02, and H02J 2207/20 should be considered in order to perform a complete search.

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M	H02J 7/025	Group H02J 7/025 is impacted by reclassification into groups H02J 50/00–H02J 50/90. Groups H02J 7/025 and H02J 50/00 – H02J 50/90 should be considered in order to perform a complete search.	Group H02J 7/025 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 50/001, H02J 50/005, H02J 50/10, H02J 50/12, H02J 50/30, H02J 50/40, H02J 50/402, H02J 50/50, H02J 50/502, H02J 50/60, H02J 50/70, H02J 50/80, H02J 50/90, H02J 7/00, H02J 7/0042, H02J 7/0044, and H02J 7/0045. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 7/027		Group H02J 7/027 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/0029, H02J 7/00302, H02J 7/00304, H02J 7/00306, H02J 7/00308, H02J 7/00309, H02J 7/0047, H02J 7/0048, H02J 7/0049, and H02J 7/005. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 7/042		Group H02J 7/042 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/007, H02J 7/0071, H02J 7/00711, H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, and H02J 7/007194. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 7/045		Group H02J 7/045 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/00714, H02J 7/00718, H02J 7/007182, H02J 7/007184, and H02J 7/007186. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 7/085		Group H02J 7/085 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, and H02J 7/007186. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 7/087		Group H02J 7/087 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/007188, H02J 7/00719, H02J 7/007192, and H02J 7/007194. All groups listed in this Warning should be considered in order to perform a complete search.



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N	H02J 2007/10		<p>Group H02J 2007/10 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/007, H02J 7/0071, H02J 7/00711, H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, and H02J 7/007194.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/125		<p>Group H02J 7/125 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/007, H02J 7/0071, H02J 7/00711, H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, and H02J 7/007194.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/1461		<p>Group H02J 7/1461 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/0029, H02J 7/00302, H02J 7/00304, H02J 7/00306, H02J 7/00308, H02J 7/00309, H02J 7/0047, H02J 7/0048, H02J 7/0049, and H02J 7/005.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 7/166		<p>Group H02J 7/166 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 7/0029, H02J 7/00302, H02J 7/00304, H02J 7/00306, H02J 7/00308, H02J 7/00309, H02J 7/0047, H02J 7/0048, H02J 7/0049, and H02J 7/005.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 13/00		<p>Group H02J 13/00 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0013, H02J 13/0079, and H02J 13/0086.</p> <p>Groups H02J 13/00, H02J 13/0003, H02J 13/0006, H02J 13/0013, H02J 13/0079, and H02J 13/0086 should be considered in order to perform a complete search.</p>
N	H02J 13/00001		<p>Group H02J 13/00001 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>

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N	H02J 13/00002		Group H02J 13/00002 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 13/00004		Group H02J 13/00004 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 13/00006		Group H02J 13/00006 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0013, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 13/00007		Group H02J 13/00007 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0079, H02J 13/0082, H02J 13/0086, H02J 13/0089, H02J 13/0093, and H02J 13/0096. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 13/00009		Group H02J 13/00009 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0079, H02J 13/0082, H02J 13/0086, H02J 13/0089, H02J 13/0093, and H02J 13/0096. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 13/0001		Group H02J 13/0001 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0079, H02J 13/0082, H02J 13/0086, H02J 13/0089, H02J 13/0093, and H02J 13/0096. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 13/00012		Group H02J 13/00012 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096. All groups listed in this Warning should be considered in order to perform a complete search.

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N	H02J 13/00014		<p>Group H02J 13/00014 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 13/00016		<p>Group H02J 13/00016 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0062, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 13/00017		<p>Group H02J 13/00017 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0062, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 13/00018		<p>Group H02J 13/00018 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 13/00019		<p>Group H02J 13/00019 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 13/0002		<p>Group H02J 13/0002 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 13/00022		<p>Group H02J 13/00022 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0075, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>

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N	H02J 13/00024		<p>Group H02J 13/00024 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0075, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 13/00026		<p>Group H02J 13/00026 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0075, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 13/00028		<p>Group H02J 13/00028 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 13/0003		<p>Group H02J 13/0003 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 1/00, H02J 1/001, H02J 1/002, H02J 1/02, H02J 1/04, H02J 1/06, H02J 1/08, H02J 1/082, H02J 1/084, H02J 1/086, H02J 1/10, H02J 1/102, H02J 1/106, H02J 1/108, H02J 1/109, H02J 1/12, H02J 1/122, H02J 1/14, H02J 1/16, H02J 13/00, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006, H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, and H02J 2213/10.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 13/00032		<p>Group H02J 13/00032 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 13/00034		<p>Group H02J 13/00034 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>

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N	H02J 13/00036		<p>Group H02J 13/00036 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 13/0004		<p>Group H02J 13/0004 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 13/0005		<p>Group H02J 13/0005 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0079, H02J 13/0086, H02J 13/0093, and H02J 13/0096.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 13/0006		<p>Group H02J 13/0006 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 3/00, H02J 3/0012, H02J 3/00125, H02J 3/002, H02J 3/003, H02J 3/004, H02J 2203/10, H02J 2203/20, H02J 3/007, H02J 3/0073, H02J 3/0075, H02J 3/008, H02J 3/01, H02J 3/02, H02J 3/04, H02J 3/06, H02J 3/08, H02J 3/10, H02J 3/12, H02J 3/14, H02J 3/144, H02J 3/16, H02J 3/18, H02J 3/1807, H02J 3/1814, H02J 3/1821, H02J 3/1828, H02J 3/1835, H02J 3/1842, H02J 3/185, H02J 3/1857, H02J 3/1864, H02J 3/1871, H02J 3/1878, H02J 3/1885, H02J 3/1892, H02J 3/20, H02J 3/22, H02J 3/24, H02J 3/241, H02J 3/242, H02J 3/26, H02J 3/28, H02J 3/30, H02J 3/32, H02J 3/322, H02J 3/34, H02J 3/36, H02J 3/38, H02J 3/381, H02J 3/472, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/48, H02J 3/50, H02J 13/00, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006, H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, and H02J 2213/10. All groups listed in this Warning should be considered in order to perform a complete search.</p>

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N	H02J 13/0013		Group H02J 13/0013 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 13/00 and H02J 13/00006. Groups H02J 13/0013, H02J 13/00, and H02J 13/00006 should be considered in order to perform a complete search.
N	H02J 13/0017		Group H02J 13/0017 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, and H02J 2213/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 13/0062		Group H02J 13/0062 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 13/00016 and H02J 13/00017. Groups H02J 13/0062, H02J 13/00016, and H02J 13/00017 should be considered in order to perform a complete search.
N	H02J 13/0075		Group H02J 13/0075 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 13/00022, H02J 13/00024, and H02J 13/00026. Groups H02J 13/0075, H02J 13/00022, H02J 13/00024, and H02J 13/00026 should be considered in order to perform a complete search.
N	H02J 13/0079		Group H02J 13/0079 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 13/00, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006, H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, and H02J 2213/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 13/0082		Group H02J 13/0082 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 2213/10, H02J 13/00007, H02J 13/00009, and H02J 13/0001. Groups H02J 13/0082, H02J 2213/10, H02J 13/00007, H02J 13/00009, and H02J 13/0001 should be considered in order to perform a complete search.

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N	H02J 13/0086		<p>Group H02J 13/0086 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 13/00, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006, H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, and H02J 2213/10.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 13/0089		<p>Group H02J 13/0089 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 2213/10, H02J 13/00007, H02J 13/00009, and H02J 13/0001.</p> <p>Groups H02J 13/0089, H02J 2213/10, H02J 13/00007, H02J 13/00009, and H02J 13/0001 should be considered in order to perform a complete search.</p>
N	H02J 13/0093		<p>Group H02J 13/0093 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 3/02, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006, H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, and H02J 2213/10.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 13/0096		<p>Group H02J 13/0096 is no longer used for the classification of documents as of JANUARY 1, 2020. The content of this group is being reclassified into groups H02J 3/02, H02J 4/00, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006, H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, and H02J 2213/10.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	H02J 15/00		<p>Group H02J 15/00 is impacted by reclassification into groups H02J 15/007 and H02J 15/008.</p> <p>Groups H02J 15/00, H02J 15/007, and H02J 15/008 should be considered in order to perform a complete search.</p>

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N	H02J 15/007		Group H02J 15/007 is incomplete pending reclassification of documents from group H02J 15/00. Groups H02J 15/00 and H02J 15/007 should be considered in order to perform a complete search.
N	H02J 15/008		Group H02J 15/008 is incomplete pending reclassification of documents from group H02J 15/00. Groups H02J 15/00 and H02J 15/008 should be considered in order to perform a complete search.
M	H02J 50/00	Groups H02J 50/00 – H02J 50/90 are incomplete pending reclassification of documents from groups H02J 5/00, H02J 5/005, H02J 7/02 and H02J 17/00. Groups H02J 5/00, H02J 5/005, H02J 7/02 and H02J 17/00 and H02J 50/00 – H02J 50/90 should be considered in order to perform a complete search.	Group H02J 50/00 is impacted by reclassification into groups H02J 50/001 and H02J 50/005. Groups H02J 50/00, H02J 50/001, and H02J 50/005 should be considered in order to perform a complete search.
N	H02J 50/001		Group H02J 50/001 is incomplete pending reclassification of documents from groups H02J 5/005, H02J 7/025, and H02J 50/00. Groups H02J 50/001, H02J 5/005, H02J 7/025, and H02J 50/00 should be considered in order to perform a complete search.
N	H02J 50/005		Group H02J 50/005 is incomplete pending reclassification of documents from groups H02J 5/005, H02J 7/025, and H02J 50/00. Groups H02J 50/005, H02J 5/005, H02J 7/025, and H02J 50/00 should be considered in order to perform a complete search.
N	H02J 50/10		Group H02J 50/10 is incomplete pending reclassification of documents from groups H02J 5/005 and H02J 7/025. Groups H02J 5/005, H02J 7/025, and H02J 50/10 should be considered in order to perform a complete search.
N	H02J 50/12		Group H02J 50/12 is incomplete pending reclassification of documents from groups H02J 5/005 and H02J 7/025. Groups H02J 5/005, H02J 7/025, and H02J 50/12 should be considered in order to perform a complete search.
N	H02J 50/30		Group H02J 50/30 is incomplete pending reclassification of documents from groups H02J 5/005 and H02J 7/025. Groups H02J 5/005, H02J 7/025, and H02J 50/30 should be considered in order to perform a complete search.



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N	H02J 50/40		Group H02J 50/40 is incomplete pending reclassification of documents from groups H02J 5/005 and H02J 7/025. Group H02J 50/40 is also impacted by reclassification into group H02J 50/402. Groups H02J 50/40, H02J 5/005 and H02J 7/025 and H02J 50/402 should be considered in order to perform a complete search.
N	H02J 50/402		Group H02J 50/402 is incomplete pending reclassification of documents from groups H02J 5/005, H02J 7/025, and H02J 50/40. Groups H02J 50/402, H02J 5/005, H02J 7/025, and H02J 50/40 should be considered in order to perform a complete search.
N	H02J 50/50		Group H02J 50/50 is incomplete pending reclassification of documents from groups H02J 5/005 and H02J 7/025. Group H02J 50/50 is also impacted by reclassification into group H02J 50/502. Groups H02J 50/50, H02J 5/005 and H02J 7/025 should be considered in order to perform a complete search.
N	H02J 50/502		Group H02J 50/502 is incomplete pending reclassification of documents from groups H02J 5/005, H02J 7/025, and H02J 50/50. Groups H02J 50/502, H02J 5/005, H02J 7/025, and H02J 50/50 should be considered in order to perform a complete search.
N	H02J 50/60		Group H02J 50/60 is incomplete pending reclassification of documents from groups H02J 5/005 and H02J 7/025. Groups H02J 5/005, H02J 7/025, and H02J 50/60 should be considered in order to perform a complete search.
N	H02J 50/70		Group H02J 50/70 is incomplete pending reclassification of documents from groups H02J 5/005 and H02J 7/025. Groups H02J 5/005, H02J 7/025, and H02J 50/70 should be considered in order to perform a complete search.
N	H02J 50/80		Group H02J 50/80 is incomplete pending reclassification of documents from groups H02J 5/005 and H02J 7/025. Groups H02J 5/005, H02J 7/025, and H02J 50/80 should be considered in order to perform a complete search.
N	H02J 50/90		Group H02J 50/90 is incomplete pending reclassification of documents from groups H02J 5/005 and H02J 7/025. Groups H02J 5/005, H02J 7/025, and H02J 50/90 should be considered in order to perform a complete search.
N	H02J 2203/10		Group H02J 2203/10 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 2203/10 should be considered in order to perform a complete search.
N	H02J 2203/20		Group H02J 2203/20 is incomplete pending reclassification of documents from group H02J 13/0006. Groups H02J 13/0006 and H02J 2203/20 should be considered in order to perform a complete search.

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N	H02J 2207/20		Group H02J 2207/20 is incomplete pending reclassification of documents from group H02J 7/022. Groups H02J 7/022 and H02J 2207/20 should be considered in order to perform a complete search.
N	H02J 2213/10		Group H02J 2213/10 is incomplete pending reclassification of documents from groups H02J 13/0003, H02J 13/0006, H02J 13/0017, H02J 13/0079, H02J 13/0082, H02J 13/0086, H02J 13/0089, H02J 13/0093, and H02J 13/0096. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 2300/20		Group H02J 2300/20 is incomplete pending reclassification of documents from group H02J 3/382. Groups H02J 3/382 and H02J 2300/20 should be considered in order to perform a complete search.
N	H02J 2300/22		Group H02J 2300/22 is incomplete pending reclassification of documents from group H02J 3/382. Groups H02J 3/382 and H02J 2300/22 should be considered in order to perform a complete search.
N	H02J 2300/24		Group H02J 2300/24 is incomplete pending reclassification of documents from group H02J 3/383. Groups H02J 3/383 and H02J 2300/24 should be considered in order to perform a complete search.
N	H02J 2300/26		Group H02J 2300/26 is incomplete pending reclassification of documents from group H02J 3/385. Groups H02J 3/385 and H02J 2300/26 should be considered in order to perform a complete search.
N	H02J 2300/28		Group H02J 2300/28 is incomplete pending reclassification of documents from group H02J 3/386. Groups H02J 3/386 and H02J 2300/28 should be considered in order to perform a complete search.
N	H02J 2300/30		Group H02J 2300/30 is incomplete pending reclassification of documents from group H02J 3/387. Groups H02J 3/387 and H02J 2300/30 should be considered in order to perform a complete search.
N	H02J 2310/22		Group H02J 2310/22 is incomplete pending reclassification of documents from group H02J 7/0027. Groups H02J 7/0027 and H02J 2310/22 should be considered in order to perform a complete search.
N	H02J 2310/40		Group H02J 2310/40 is incomplete pending reclassification of documents from group H02J 7/0027. Groups H02J 7/0027 and H02J 2310/40 should be considered in order to perform a complete search.

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N	H02J 2310/42		Group H02J 2310/42 is incomplete pending reclassification of documents from group H02J 7/0027. Groups H02J 7/0027 and H02J 2310/42 should be considered in order to perform a complete search.
N	H02J 2310/44		Group H02J 2310/44 is incomplete pending reclassification of documents from group H02J 7/0027. Groups H02J 7/0027 and H02J 2310/44 should be considered in order to perform a complete search.
N	H02J 2310/46		Group H02J 2310/46 is incomplete pending reclassification of documents from group H02J 7/0027. Groups H02J 7/0027 and H02J 2310/46 should be considered in order to perform a complete search.
N	H02J 2310/48		Group H02J 2310/48 is incomplete pending reclassification of documents from group H02J 7/0027. Groups H02J 7/0027 and H02J 2310/48 should be considered in order to perform a complete search.

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

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

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3. REVISION CONCORDANCE LIST (RCL)

<b>Type*</b>	<b>From CPC Symbol (existing)</b>	<b>To CPC Symbol(s)</b>
C	H02J 1/00	H02J 1/00, H02J 1/001
D	H02J 2001/002	<administrative transfer to H02J 1/002>
D	H02J 2001/004	<administrative transfer to H02J 2300/30>
D	H02J 2001/006	<administrative transfer to H02J 1/122>
D	H02J 2001/008	<administrative transfer to H02J 1/082>
F	H02J 2001/104	H02J 1/10, H02J 1/102, H02J 1/106, H02J 1/108, H02J 1/109, H02J 1/12, H02J 1/122
D	H02J 2001/106	<administrative transfer to H02J 1/106>
D	H02J 2003/001	<administrative transfer to H02J 3/001>
Q	H02J 3/001	H02J 3/001, H02J 3/0012, H02J 3/00125
D	H02J 2003/002	<administrative transfer to H02J 3/002>
D	H02J 2003/003	<administrative transfer to H02J 3/003>
F	H02J 3/005	H02J 3/007, H02J 3/0075
D	H02J 3/006	<administrative transfer to H02J 3/0073>
D	H02J 2003/007	<administrative transfer to H02J 2203/20>
C	H02J 3/14	H02J 3/14, H02J 3/144
D	H02J 2003/143	<administrative transfer to H02J 2310/14>
D	H02J 2003/146	<administrative transfer to H02J 2310/64>
C	H02J 3/24	H02J 3/24, H02J 3/241, H02J 3/242
C	H02J 3/32	H02J 3/32, H02J 3/322
F	H02J 3/382	H02J 2300/20, H02J 2300/22, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, H02J 3/50
F	H02J 3/383	H02J 2300/24, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, H02J 3/50
F	H02J 3/385	H02J 2300/26, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, H02J 3/50
F	H02J 3/386	H02J 2300/28, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, H02J 3/50
F	H02J 3/387	H02J 2300/30, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/472, H02J 3/48, H02J 3/50
D	H02J 2003/388	<administrative transfer to H02J 3/388>
C	H02J 3/46	H02J 3/46, H02J 3/466, H02J 3/472
F	H02J 5/005	H02J 5/00, H02J 50/001, H02J 50/005, H02J 50/10, H02J 50/12, H02J 50/30, H02J 50/40, H02J 50/402, H02J 50/50, H02J 50/502, H02J 50/60, H02J 50/70, H02J 50/80, H02J 50/90
D	H02J 2007/0001	<administrative transfer to H02J 7/00045>
F	H02J 7/0003	H02J 7/00032, H02J 7/00034, H02J 7/00045, H02J 7/00047
D	H02J 7/0004	<administrative transfer to H02J 7/00036>
D	H02J 7/0006	<administrative transfer to H02J 7/00038>
D	H02J 7/0008	<administrative transfer to H02J 7/00041>
D	H02J 7/0009	<administrative transfer to H02J 7/00043>
D	H02J 7/0011	<administrative transfer to H02J 7/00>
F	H02J 7/0021	H02J 7/0047, H02J 7/0048, H02J 7/0049, H02J 7/005, H02J 7/0013, H02J 7/0014, H02J 7/0016, H02J 7/0018, H02J 7/0019, H02J 7/0024, H02J 7/0025

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<b>Type*</b>	<b>From CPC Symbol (existing)</b>	<b>To CPC Symbol(s)</b>
F	H02J 7/0022	H02J 7/0013, H02J 7/0014, H02J 7/0016, H02J 7/0018, H02J 7/0019, H02J 7/0024, H02J 7/0025
F	H02J 7/0026	H02J 7/0029, H02J 7/00302, H02J 7/00304, H02J 7/00306, H02J 7/00308, H02J 7/00309
F	H02J 7/0027	H02J 3/322, H02J 7/0013, H02J 7/0014, H02J 7/0016, H02J 7/0018, H02J 7/0019, H02J 7/0024, H02J 7/0025, H02J 7/0042, H02J 7/0044, H02J 7/0045, H02J 2310/22, H02J 2310/40, H02J 2310/42, H02J 2310/44, H02J 2310/46, H02J 2310/48
C	H02J 7/0029	H02J 7/0029, H02J 7/00302, H02J 7/00304, H02J 7/00306, H02J 7/00308, H02J 7/00309
D	H02J 2007/0037	<administrative transfer to H02J 7/00302>
D	H02J 2007/0039	<administrative transfer to H02J 7/00304>
D	H02J 2007/004	<administrative transfer to H02J 7/00306>
C	H02J 7/0047	H02J 7/0047, H02J 7/0048, H02J 7/005
D	H02J 2007/0049	<administrative transfer to H02J 7/0049>
D	H02J 2007/005	<administrative transfer to H02J 7/0048>
D	H02J 7/0052	<administrative transfer to H02J 7/00>
D	H02J 7/0054	<administrative transfer to H02J 7/342>
D	H02J 7/0055	<administrative transfer to H02J 2207/40>
D	H02J 7/0057	<administrative transfer to H02J 7/0069>
D	H02J 2007/0059	<Administrative transfer to H02J 2207/20>
D	H02J 2007/006	<Administrative transfer to H02J 2207/30>
D	H02J 2007/0062	<Administrative transfer to H02J 7/00>
C	H02J 7/0063	H02J 7/0025, H02J 7/0063, H02J 7/007, H02J 7/0071, H02J 7/00711, H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, H02J 7/007194
D	H02J 7/0065	<administrative transfer to H02J 2207/20>
F	H02J 2007/0067	H02J 7/0025, H02J 7/007, H02J 7/0071, H02J 7/00711, H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, H02J 7/007194
C	H02J 7/007	H02J 7/007, H02J 7/00712, H02J 7/007188
F	H02J 7/0072	H02J 7/0071, H02J 7/00711, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, H02J 7/007194
D	H02J 7/0073	<administrative transfer to H02J 7/0071>
D	H02J 7/0075	<administrative transfer to H02J 7/0069>
F	H02J 7/0077	H02J 7/00, H02J 7/00712
F	H02J 7/0078	H02J 7/00714, H02J 7/00716, H02J 7/00718
F	H02J 7/008	H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184
D	H02J 7/0081	<administrative transfer to H02J 7/007184>
D	H02J 7/0083	<administrative transfer to H02J 7/00718>
F	H02J 7/0085	H02J 7/00, H02J 7/007186
F	H02J 7/0086	H02J 7/007182, H02J 7/007184
F	H02J 7/0088	H02J 7/00, H02J 7/007188
D	H02J 7/009	<administrative transfer to H02J 7/00719>
F	H02J 7/0091	H02J 7/007192, H02J 7/007194
D	H02J 7/0093	<administrative transfer to H02J 7/00711>

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<b>Type*</b>	<b>From CPC Symbol (existing)</b>	<b>To CPC Symbol(s)</b>
D	H02J 2007/0095	<Administrative transfer to H02J 2207/10>
D	H02J 2007/0096	<Administrative transfer to H02J 7/00034>
D	H02J 2007/0098	<Administrative transfer to H01M 10/4257>
F	H02J 7/022	H02J 7/02, H02J 2207/20
F	H02J 7/025	H02J 50/001, H02J 50/005, H02J 50/10, H02J 50/12, H02J 50/30, H02J 50/40, H02J 50/402, H02J 50/50, H02J 50/502, H02J 50/60, H02J 50/70, H02J 50/80, H02J 50/90, H02J 7/00, H02J 7/0042, H02J 7/0044, H02J 7/0045
F	H02J 7/027	H02J 7/0029, H02J 7/00302, H02J 7/00304, H02J 7/00306, H02J 7/00308, H02J 7/00309, H02J 7/0047, H02J 7/0048, H02J 7/0049, H02J 7/005
D	H02J 7/041	<Administrative transfer to H02J 7/0071 >
F	H02J 7/042	H02J 7/007, H02J 7/0071, H02J 7/00711, H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, H02J 7/007194
D	H02J 7/044	<Administrative transfer to H02J 7/00716>
F	H02J 7/045	H02J 7/00714, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186
D	H02J 7/047	H02J 7/007192, H02J 7/007194
D	H02J 7/048	<Administrative transfer to H02J 7/00719>
D	H02J 7/082	<Administrative transfer to H02J 7/0071>
F	H02J 7/085	H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186
F	H02J 7/087	H02J 7/007188, H02J 7/00719, H02J 7/007192, H02J 7/007194
F	H02J 2007/10	H02J 7/007, H02J 7/0071, H02J 7/00711, H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, H02J 7/007194
D	H02J 2007/105	<administrative transfer to H02J 7/00711>
F	H02J 7/125	H02J 7/007, H02J 7/0071, H02J 7/00711, H02J 7/00712, H02J 7/00714, H02J 7/00716, H02J 7/00718, H02J 7/007182, H02J 7/007184, H02J 7/007186, H02J 7/007188, H02J 7/00719, H02J 7/007192, H02J 7/007194
D	H02J 2007/143	<administrative transfer to H02J 7/143>
D	H02J 7/1453	H02J 7/007192, H02J 7/007194
F	H02J 7/1461	H02J 7/0029, H02J 7/00302, H02J 7/00304, H02J 7/00306, H02J 7/00308, H02J 7/00309, H02J 7/0047, H02J 7/0048, H02J 7/0049, H02J 7/005
F	H02J 7/166	H02J 7/0029, H02J 7/00302, H02J 7/00304, H02J 7/00306, H02J 7/00308, H02J 7/00309, H02J 7/0047, H02J 7/0048, H02J 7/0049, H02J 7/005
D	H02J 7/241	<Administrative transfer to H02J 7/24>
D	H02J 7/242	<Administrative transfer to H02J 7/24>
D	H02J 7/244	<Administrative transfer to H02J 7/243>
D	H02J 7/245	<Administrative transfer to H02J 7/2434>
D	H02J 7/247	<Administrative transfer to H02J 7/2437>
D	H02J 7/248	<Administrative transfer to H02J 7/0042>
D	H02J 7/322	<Administrative transfer to H02J 7/32>
D	H02J 7/324	<Administrative transfer to H02J 7/32>
D	H02J 7/326	<Administrative transfer to H02J 7/32>

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<b>Type*</b>	<b>From CPC Symbol (existing)</b>	<b>To CPC Symbol(s)</b>
D	H02J 7/328	<Administrative transfer to H02J 7/32>
D	H02J 7/355	<administrative transfer to H02J 7/35>
D	H02J 2009/007	<administrative transfer to H02J 9/007>
D	H02J 2009/063	<administrative transfer to H02J 9/063>
D	H02J 2009/067	<administrative transfer to H02J 9/067>
D	H02J 2009/068	<administrative transfer to H02J 9/068>
F	H02J 13/0003	H02J 1/00, H02J 1/001, H02J 1/002, H02J 1/02, H02J 1/04, H02J 1/06, H02J 1/08, H02J 1/082, H02J 1/084, H02J 1/086, H02J 1/10, H02J 1/102, H02J 1/106, H02J 1/108, H02J 1/109, H02J 1/12, H02J 1/122, H02J 1/14, H02J 1/16, H02J 13/00, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006, H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, H02J 2213/10
F	H02J 13/0006	H02J 3/00, H02J 3/0012, H02J 3/00125, H02J 3/002, H02J 3/003, H02J 3/004, H02J 2203/10, H02J 2203/20, H02J 3/007, H02J 3/0073, H02J 3/0075, H02J 3/008, H02J 3/01, H02J 3/02, H02J 3/04, H02J 3/06, H02J 3/08, H02J 3/10, H02J 3/12, H02J 3/14, H02J 3/144, H02J 3/16, H02J 3/18, H02J 3/1807, H02J 3/1814, H02J 3/1821, H02J 3/1828, H02J 3/1835, H02J 3/1842, H02J 3/185, H02J 3/1857, H02J 3/1864, H02J 3/1871, H02J 3/1878, H02J 3/1885, H02J 3/1892, H02J 3/20, H02J 3/22, H02J 3/24, H02J 3/241, H02J 3/242, H02J 3/26, H02J 3/28, H02J 3/30, H02J 3/32, H02J 3/322, H02J 3/34, H02J 3/36, H02J 3/38, H02J 3/381, H02J 3/472, H02J 3/388, H02J 3/40, H02J 3/42, H02J 3/44, H02J 3/46, H02J 3/48, H02J 3/50, H02J 13/00, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006, H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, H02J 2213/10
D	H02J 13/001	<administrative transfer to H02J 13/00001>
F	H02J 13/0013	H02J 13/00, H02J 13/00006
F	H02J 13/0017	H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, H02J 2213/10
D	H02J 13/002	<Administrative transfer to H02J 13/00007>
D	H02J 13/0024	<Administrative transfer to H02J 13/00009>
D	H02J 13/0027	<Administrative transfer to H02J 13/00009>
D	H02J 13/0031	<Administrative transfer to H02J 13/00009>
D	H02J 13/0034	<Administrative transfer to H02J 13/00009>
D	H02J 13/0037	<Administrative transfer to H02J 13/00009>
D	H02J 13/0041	<Administrative transfer to H02J 13/00009>
D	H02J 13/0044	<Administrative transfer to H02J 13/00009>
D	H02J 13/0048	<Administrative transfer to H02J 13/00009>
D	H02J 13/0051	<Administrative transfer to H02J 13/00009>

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<b>Type*</b>	<b>From CPC Symbol (existing)</b>	<b>To CPC Symbol(s)</b>
D	H02J 13/0055	<Administrative transfer to H02J 13/00012>
D	H02J 13/0058	<Administrative transfer to H02J 13/00014>
F	H02J 13/0062	H02J 13/00016, H02J 13/00017
D	H02J 13/0065	<Administrative transfer to H02J 13/00019>
D	H02J 13/0068	<Administrative transfer to H02J 13/0002>
D	H02J 13/0072	<administrative transfer to H02J 13/00018>
F	H02J 13/0075	H02J 13/00022, H02J 13/00024, H02J 13/00026
F	H02J 13/0079	H02J 13/00, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006, H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, H02J 2213/10
F	H02J 13/0082	H02J 2213/10, H02J 13/00007, H02J 13/00009, H02J 13/0001
F	H02J 13/0086	H02J 13/00, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006, H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, H02J 2213/10
F	H02J 13/0089	H02J 2213/10, H02J 13/00007, H02J 13/00009, H02J 13/0001
F	H02J 13/0093	H02J 3/02, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006, H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, H02J 2213/10
F	H02J 13/0096	H02J 3/02, H02J 4/00, H02J 13/00001, H02J 13/00002, H02J 13/00004, H02J 13/00006, H02J 13/00007, H02J 13/00009, H02J 13/0001, H02J 13/00012, H02J 13/00014, H02J 13/00016, H02J 13/00017, H02J 13/00018, H02J 13/00019, H02J 13/0002, H02J 13/00022, H02J 13/00024, H02J 13/00026, H02J 13/00028, H02J 13/00032, H02J 13/00034, H02J 13/00036, H02J 13/0004, H02J 13/0005, H02J 2213/10
C	H02J 15/00	H02J 15/00, H02J 15/007, H02J 15/008
C	H02J 50/00	H02J 50/00, H02J 50/001, H02J 50/005
C	H02J 50/40	H02J 50/40, H02J 50/402
C	H02J 50/50	H02J 50/50, H02J 50/502

\* 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.



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- 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>
H02J 1/001	H02J 1/00	NEW
H02J 2001/002		DELETE
H02J 1/002	H02J 1/00	NEW
H02J 2001/004		DELETE
H02J 2001/006		DELETE
H02J 2001/008		DELETE
H02J 1/082	H02J 1/08	NEW
H02J 1/084	H02J 1/08	NEW
H02J 1/086	H02J 1/08	NEW
H02J 2001/106		DELETE
H02J 1/106	H02J 1/10	NEW
H02J 1/109	H02J 1/10	NEW
H02J 1/122	H02J 1/10	NEW
H02J 2003/001		DELETE
H02J 3/001	H02J 3/00	NEW
H02J 3/0012	H02J 3/00	NEW
H02J 3/00125	H02J 3/00	NEW
H02J 2003/002		DELETE
H02J 3/002	H02J 3/00	NEW
H02J 2003/003		DELETE
H02J 3/003	H02J 3/00	NEW
H02J 3/004	H02J 3/00	NEW
H02J 3/006		DELETE
H02J 2003/007		DELETE
H02J 3/007	H02J 3/00	NEW
H02J 3/0073	H02J 3/00	NEW
H02J 3/0075	H02J 3/00	NEW
H02J 2003/143		DELETE
H02J 3/144	H02J 3/14	NEW
H02J 2003/146		DELETE
H02J 3/241	H02J 3/24	NEW
H02J 3/242	H02J 3/24	NEW
H02J 3/322	H02J 3/32	NEW
H02J 2003/388		DELETE
H02J 3/388	H02J 3/38	NEW
H02J 3/466	H02J 3/46	NEW
H02J 3/472	H02J 3/46	NEW
H02J 2007/0001		DELETE
H02J 7/0004		DELETE
H02J 7/0006		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H02J 7/0008		DELETE
H02J 7/0009		DELETE
H02J 7/00032	H02J 7/00	NEW
H02J 7/00034	H02J 7/00	NEW
H02J 7/00036	H02J 7/00	NEW
H02J 7/00038	H02J 7/00	NEW
H02J 7/00041	H02J 7/00	NEW
H02J 7/00043	H02J 7/00	NEW
H02J 7/00045	H02J 7/00	NEW
H02J 7/00047	H02J 7/00	NEW
H02J 7/0011		DELETE
H02J 7/0025	H02J 7/00	NEW
H02J 7/00302	H02J 7/00	NEW
H02J 7/00304	H02J 7/00	NEW
H02J 7/00306	H02J 7/00	NEW
H02J 7/00308	H02J 7/00	NEW
H02J 7/00309	H02J 7/00	NEW
H02J 2007/0037		DELETE
H02J 2007/0039		DELETE
H02J 2007/004		DELETE
H02J 7/0048	H02J 7/00	NEW
H02J 2007/0049		DELETE
H02J 7/0049	H02J 7/00	NEW
H02J 7/005	H02J 7/00	NEW
H02J 2007/005		DELETE
H02J 7/0052		DELETE
H02J 7/0054		DELETE
H02J 7/0055		DELETE
H02J 7/0057		DELETE
H02J 2007/0059		DELETE
H02J 2007/006		DELETE
H02J 2007/0062		DELETE
H02J 7/0065		DELETE
H02J 7/0069	H02J 7/00	NEW
H02J 7/0071	H02J 7/00	NEW
H02J 7/00711	H02J 7/00	NEW
H02J 7/00712	H02J 7/00	NEW
H02J 7/00714	H02J 7/00	NEW
H02J 7/00716	H02J 7/00	NEW
H02J 7/00718	H02J 7/00	NEW
H02J 7/007182	H02J 7/00	NEW
H02J 7/007184	H02J 7/00	NEW
H02J 7/007186	H02J 7/00	NEW
H02J 7/007188	H02J 7/00	NEW
H02J 7/00719	H02J 7/00	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H02J 7/007192	H02J 7/00	NEW
H02J 7/007194	H02J 7/00	NEW
H02J 7/0073		DELETE
H02J 7/0075		DELETE
H02J 7/0081		DELETE
H02J 7/0083		DELETE
H02J 7/009		DELETE
H02J 7/0093		DELETE
H02J 2007/0095		DELETE
H02J 2007/0096		DELETE
H02J 2007/0098		DELETE
H02J 7/041		DELETE
H02J 7/044		DELETE
H02J 7/047		DELETE
H02J 7/048		DELETE
H02J 7/082		DELETE
H02J 2007/105		DELETE
H02J 2007/143		DELETE
H02J 7/143	H02J 7/14	NEW
H02J 7/1453		DELETE
H02J 7/241		DELETE
H02J 7/242		DELETE
H02J 7/243	H02J 7/24	NEW
H02J 7/2434	H02J 7/24	NEW
H02J 7/2437	H02J 7/24	NEW
H02J 7/244		DELETE
H02J 7/245		DELETE
H02J 7/247		DELETE
H02J 7/248		DELETE
H02J 7/322		DELETE
H02J 7/324		DELETE
H02J 7/326		DELETE
H02J 7/328		DELETE
H02J 7/342	H02J 7/34	NEW
H02J 7/355		DELETE
H02J 2009/007		DELETE
H02J 9/007	H02J 9/00	NEW
H02J 2009/063		DELETE
H02J 9/063	H02J 9/06	NEW
H02J 2009/067		DELETE
H02J 9/067	H02J 9/06	NEW
H02J 2009/068		DELETE
H02J 9/068	H02J 9/06	NEW
H02J 13/00001	H02J 13/00	NEW
H02J 13/00002	H02J 13/00	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H02J 13/00004	H02J 13/00	NEW
H02J 13/00006	H02J 13/00	NEW
H02J 13/00007	H02J 13/00	NEW
H02J 13/00009	H02J 13/00	NEW
H02J 13/0001	H02J 13/00	NEW
H02J 13/00012	H02J 13/00	NEW
H02J 13/00014	H02J 13/00	NEW
H02J 13/00016	H02J 13/00	NEW
H02J 13/00017	H02J 13/00	NEW
H02J 13/00018	H02J 13/00	NEW
H02J 13/00019	H02J 13/00	NEW
H02J 13/0002	H02J 13/00	NEW
H02J 13/00022	H02J 13/00	NEW
H02J 13/00024	H02J 13/00	NEW
H02J 13/00026	H02J 13/00	NEW
H02J 13/00028	H02J 13/00	NEW
H02J 13/00032	H02J 13/00	NEW
H02J 13/00034	H02J 13/00	NEW
H02J 13/00036	H02J 13/00	NEW
H02J 13/0004	H02J 13/00	NEW
H02J 13/0005	H02J 13/00	NEW
H02J 13/001		DELETE
H02J 13/002		DELETE
H02J 13/0024		DELETE
H02J 13/0027		DELETE
H02J 13/0031		DELETE
H02J 13/0034		DELETE
H02J 13/0037		DELETE
H02J 13/0041		DELETE
H02J 13/0044		DELETE
H02J 13/0048		DELETE
H02J 13/0051		DELETE
H02J 13/0055		DELETE
H02J 13/0058		DELETE
H02J 13/0065		DELETE
H02J 13/0068		DELETE
H02J 13/0072		DELETE
H02J 15/007	H02J 15/00	NEW
H02J 15/008	H02J 15/00	NEW
H02J 50/001	H02J 50/00	NEW
H02J 50/005	H02J 50/00	NEW
H02J 50/402	H02J 50/40	NEW
H02J 50/502	H02J 50/50	NEW
H02J 2203/00	CPCONLY	NEW
H02J 2203/10	CPCONLY	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H02J 2203/20	CPCONLY	NEW
H02J 2207/00	CPCONLY	NEW
H02J 2207/10	CPCONLY	NEW
H02J 2207/20	CPCONLY	NEW
H02J 2207/30	CPCONLY	NEW
H02J 2207/40	CPCONLY	NEW
H02J 2207/50	CPCONLY	NEW
H02J 2213/00	CPCONLY	NEW
H02J 2213/10	CPCONLY	NEW
H02J 2300/00	CPCONLY	NEW
H02J 2300/10	CPCONLY	NEW
H02J 2300/20	CPCONLY	NEW
H02J 2300/22	CPCONLY	NEW
H02J 2300/24	CPCONLY	NEW
H02J 2300/26	CPCONLY	NEW
H02J 2300/28	CPCONLY	NEW
H02J 2300/30	CPCONLY	NEW
H02J 2300/40	CPCONLY	NEW
H02J 2310/00	CPCONLY	NEW
H02J 2310/10	CPCONLY	NEW
H02J 2310/12	CPCONLY	NEW
H02J 2310/14	CPCONLY	NEW
H02J 2310/16	CPCONLY	NEW
H02J 2310/18	CPCONLY	NEW
H02J 2310/20	CPCONLY	NEW
H02J 2310/22	CPCONLY	NEW
H02J 2310/23	CPCONLY	NEW
H02J 2310/40	CPCONLY	NEW
H02J 2310/42	CPCONLY	NEW
H02J 2310/44	CPCONLY	NEW
H02J 2310/46	CPCONLY	NEW
H02J 2310/48	CPCONLY	NEW
H02J 2310/50	CPCONLY	NEW
H02J 2310/52	CPCONLY	NEW
H02J 2310/54	CPCONLY	NEW
H02J 2310/56	CPCONLY	NEW
H02J 2310/58	CPCONLY	NEW
H02J 2310/60	CPCONLY	NEW
H02J 2310/62	CPCONLY	NEW
H02J 2310/64	CPCONLY	NEW
H02J 2310/66	CPCONLY	NEW
H02J 2310/70	CPCONLY	NEW

\*Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with "NEW."

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- 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)

Scheme references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
H01F38/14	H02J7/025	<u>REPLACE</u> existing text and reference with the following text and reference:  Inductive couplings {(for wireless supply or distribution of electric power using inductive coupling <a href="#">H02J 50/10</a> )}
H02H7/067	H02J7/1461	<u>DELETE</u> the following reference and text:  “: safety devices for generators driven at varying speed H02J 7/1461”
H02M3/00	H02J7/0065	<u>DELETE</u> the following reference and text:  “{(converters specially adapted for use in combination with a battery H02J 7/0065)}”

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>
A61N1/372	H02J7/025	Informative references	<u>REPLACE</u> existing text and reference with the following text and reference:  For wireless supply or distribution of electric power <a href="#">H02J 50/00</a>
B25F5/00	H02J7/0052	Informative references	<u>DELETE</u> reference and text
B60K16/00	H02J7/355	Informative references	<u>REPLACE</u> existing reference with <a href="#">H02J 7/35</a>
B60L3/0046	H02J7/0026	Informative references	<u>REPLACE</u> existing reference with <a href="#">H02J 7/0029</a>
B60L53/12	H02J7/025	Informative references	<u>REPLACE</u> existing text and reference with the following text and reference:  For wireless supply or distribution of electric power using inductive coupling <a href="#">H02J 50/10</a>
B60L53/30	H02J7/0027	Informative references	<u>DELETE</u> reference and text



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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>
B60L53/60	H02J7/0004	Informative references	<u>REPLACE</u> existing text and reference with the following text and reference:  Charger exchanging data with battery <a href="#">H02J 7/00036</a>
H01F38/00	H02J5/005	Informative references	<u>REPLACE</u> existing text and reference with the following text and reference:  For wireless supply or distribution of electric power using inductive coupling <a href="#">H02J 50/10</a>
H01F38/00	H02J7/025	Informative references	<u>DELETE</u> reference and text
H02J9/00	H02J2009/007	Special Rules of Classification	<u>REPLACE</u> subgroup with <a href="#">H02J 9/007</a>
H02J9/00	H02J2009/063	Special Rules of Classification	<u>REPLACE</u> subgroup with <a href="#">H02J 9/063</a>
H02J9/00	H02J2009/067	Special Rules of Classification	<u>REPLACE</u> subgroup with <a href="#">H02J 9/067</a>
H02J9/00	H02J2009/068	Special Rules of Classification	<u>REPLACE</u> subgroup with <a href="#">H02J 9/068</a>
H02M3/00	H02J7/0065	Limiting references	<u>DELETE</u> reference and text
H04B5/00	H02J5/005	Limiting references	<u>DELETE</u> reference and text
H04B5/00	H02J7/025	Limiting references	<u>DELETE</u> reference and text
H05B6/00	H02J7/025	Informative references	<u>REPLACE</u> existing text and reference with the following text and reference:  For wireless supply or distribution of electric power <a href="#">H02J 50/00</a>
H05B6/10	H02J7/025	Informative references	<u>REPLACE</u> existing text and reference with the following text and reference:  For wireless supply or distribution of electric power using inductive coupling <a href="#">H02J 50/10</a>

NOTES:

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- 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.