# EUROPEAN PATENT OFFICE U.S. PATENT AND TRADEMARK OFFICE

## CPC NOTICE OF CHANGES 1852

DATE: JANUARY 1, 2026

## PROJECT RP12723

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

Action	Subclass	Group(s)
SCHEME:		
Symbols Deleted:	H02J	3/144, 3/20, 3/22, 3/24, 3/241, 3/242
	H02J	5/00
	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	15/003, 15/006, 15/007, 15/008
	H02J	2203/00, 2203/10, 2203/20
	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
Symbols New:	H02J	1/15
	H02J	3/0014, 3/00142, 3/00144, 3/11, 3/17,
		3/175
	H02J	4/10, 4/20, 4/25
	H02J	13/10, 13/12, 13/13, 13/1311, 13/1313,
		13/1315, 13/1317, 13/1319, 13/1321,
		13/1323, 13/1325, 13/1327, 13/1329,
		13/1331, 13/1333, 13/1335, 13/1337,
		13/14, 13/16, 13/18, 13/181, 13/182,
		13/183, 13/333, 13/34, 13/36, 13/38
	H02J	15/10, 15/20, 15/30, 15/40, 15/50
	H02J	2101/00, 2101/10, 2101/20, 2101/22,
		2101/24, 2101/25, 2101/28, 2101/30,
		2101/35, 2101/40
	H02J	2103/00, 2103/30, 2103/35, 2103/40,
		2103/50
	H02J	2105/00, 2105/10, 2105/12, 2105/16,
		2105/30, 2105/31, 2105/32, 2105/33,
		2105/37, 2105/40, 2105/42, 2105/425,
		2105/44, 2105/46, 2105/50, 2105/51,
		2105/52, 2105/53, 2105/54, 2105/55,
		2105/57, 2105/59, 2105/61

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Action	Subclass	Group(s)
	Н02Ј	2107/00, 2107/10, 2107/105, 2107/20,
	11020	2107/30, 2107/40
Titles Changed:	Н02Ј	SUBCLASS
Times changes.	H02J	1/002, 1/04, 1/06, 1/08, 1/082, 1/102,
	11023	1/108, 1/12, 1/14, 1/16
	H02J	3/001, 3/0012, 3/007, 3/0073, 3/008, 3/02,
	11020	3/04, 3/06, 3/08, 3/10, 3/12, 3/14, 3/18, 3/1807, 3/1814, 3/1821, 3/1828, 3/1835, 3/1842, 3/185, 3/1857, 3/1864, 3/1878,
		3/1885, 3/1892, 3/28, 3/32, 3/36, 3/38,
		3/388, 3/40, 3/46, 3/466, 3/472, 3/48, 3/50
	H02J	4/00
	H02J	13/00
	H02J	15/00
	H02J	2207/00
Warnings New:	H02J	1/14, 1/15, 1/16
warmings New.	H02J	3/00, 3/001, 3/0014, 3/02, 3/11, 3/17,
	погл	
	HOOL	3/175, 3/38, 3/40, 3/46
	H02J	4/00, 4/10, 4/20
	Н02Ј	13/00, 13/16, 13/18, 13/38
	Н02Ј	15/00, 15/40
	H02J	2101/20, 2101/35
	H02J	2103/00, 2103/40, 2103/50
	H02J	2107/00, 2107/10, 2107/20, 2107/30
Notes Modified:	Н02Ј	SUBCLASS
Guidance Headings New:	H02J	2101/00
Surdane Headings I to W	H02J	2103/00
	H02J	2105/00
	H02J	2107/00
	H02J	2207/00
DEFINITIONS:		
Definitions Deleted:  (no frozen (F) symbol definitions should be deleted)	Н02Ј	3/24
2.	Н02Ј	5/00
	H02J	2300/26, 2300/28
Definitions New:	H02J	3/0014
	H02J	4/25
	H02J	2101/25, 2101/28
Definitions Modified:	H02J	1/108
Definitions friedified.	H02J	3/18, 3/1842
	H02J	13/00
	H02J	15/00

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The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL): B61B, B64G, F03G, F15B, G11C, A47L, A63B, B60L, B60M, B61L, B63J, B64D, D06F, F03B, F03D, F03G, F17C, G01D, G01R, G05F, G06F, G06Q, H01B, H01G, H01H, H02H, H02K, H02M, H02P, H02S, H03H, H04B, H04N, H04Q, H05B, H05K, H10N

#### This Notice of Changes includes the following

1.	CLA	SSIF	ICATION SCHEME CHANGES
		$\boxtimes$	A. New, Modified or Deleted Group(s)
		$\boxtimes$	B. New, Modified or Deleted Warning(s)
		$\boxtimes$	C. New, Modified or Deleted Note(s)
			D. New, Modified or Deleted Guidance Heading(s)
2.	DEF	INIT	IONS
		$\boxtimes$	A. New or Modified Definitions (Full definition template)
		$\boxtimes$	B. Modified or Deleted Definitions (Definitions Quick Fix)
3.	$\boxtimes$	REV	ISION CONCORDANCE LIST (RCL)
4.	$\boxtimes$	CHA	NGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5.	$\boxtimes$	CHA	NGES TO THE CROSS-REFERENCE LIST (CRL)

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## 1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

# ${\tt SUBCLASS~H02J-CIRCUIT~ARRANGEMENTS~OR~SYSTEMS~FOR~SUPPLYING~OR~DISTRIBUTING~ELECTRIC~POWER;~SYSTEMS~FOR~STORING~ELECTRIC~ENERGY}$

Type*	<u>Symbol</u>	Indent <u>Level</u> <u>Number of</u> <u>dots (e.g.</u> <u>0, 1, 2)</u>	Title  "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
M	Н02Ј	Subclass	ELECTRIC POWER NETWORKS; CIRCUIT ARRANGEMENTS OR SYSTEMS FOR SUPPLYING OR DISTRIBUTING ELECTRIC POWER; SYSTEMS FOR STORING ELECTRIC ENERGY	
U	H02J1/00	0	Circuit arrangements for DC mains or DC distribution networks	
U	H02J1/001	1	{Hot plugging or unplugging of load or power modules to or from power distribution networks}	
M	H02J1/002	1	using intermediate DC-AC-DC conversion	
U	H02J1/02	1	Arrangements for reducing harmonics or ripples	
M	H02J1/04	1	Current-controlled supply systems, e.g. constant-current supply systems	
M	H02J1/06	1	Two-wire DC power distribution systems	
M	H02J1/08	1	Three-wire DC power distribution systems; Systems having more than three wires	
M	H02J1/082	2	DC supplies with two or more different DC voltage levels	
U	H02J1/084	2	{for selectively connecting the load or loads to one or several among a plurality of power lines or power sources}	
U	H02J1/086	3	{for providing alternative feeding paths between load or loads and source or sources when the main path fails}	
U	H02J1/10	1	Parallel operation of DC sources	
М	H02J1/102	2	being switching converters (H02J1/108, H02J1/12 take precedence)	
U	H02J1/106	2	{for load balancing, symmetrisation, or sharing}	
M	H02J1/108	2	having arrangements for blocking reverse current flow, e.g. using diodes (H02J1/12 takes precedence)	

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U	Н02J1/109	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}	
M	H02J1/12	2	Parallel operation of DC sources having power converters with further DC sources without power converters	
U	H02J1/122	2	{Provisions for temporary connection of DC sources of essentially the same voltage, e.g. jumpstart cables}	
С	H02J1/14	1	Balancing load and power generation in DC networks	H02J1/14, H02J1/15, H02J1/16
N	H02J1/15	2	characterised by load management	
Т	H02J1/16	2	using energy storage units, e.g. batteries or dynamo-electric machines coupled to flywheels	
С	H02J3/00	0	Circuit arrangements for AC mains or AC distribution networks	H02J3/00, H02J3/11, H02J13/16, H02J13/18, H02J13/181, H02J13/182, H02J13/183
С	H02J3/001	1	Arrangements for handling faults or abnormalities, e.g. emergencies or contingencies	H02J3/001, H02J3/0014
M	H02J3/0012	2	characterised by the contingency detection means in AC networks, e.g. using phasor measurement units [PMU], synchrophasors or contingency analysis	
U	H02J3/00125	2	{Transmission line or load transient problems, e.g. overvoltage, resonance or self-excitation of inductive loads (H02J3/01 takes precedence)}	
N	H02J3/0014	2	for preventing or reducing power oscillations in networks	
N	H02J3/00142	3	{Oscillations concerning frequency}	
N	H02J3/00144	3	{using phasor measuring units [PMU]}	
U	H02J3/002	1	{Flicker reduction, e.g. compensation of flicker introduced by non-linear load}	
U	H02J3/003	1	{Load forecast, e.g. methods or systems for forecasting future load demand}	
U	H02J3/004	1	{Generation forecast, e.g. methods or systems for forecasting future energy generation}	
M	H02J3/007	1	Arrangements for selectively connecting one or more loads to one or more power sources or power lines	
M	H02J3/0073	2	by providing alternative feeding paths when the main path fails	
U	H02J3/0075	2	{for providing alternative feeding paths between load and source according to economic or energy efficiency considerations, e.g. economic dispatch}	

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М	H02J3/008	1	Circuit arrangements for power supply or distribution technologies responsive to energy trading	
U	H02J3/01	1	Arrangements for reducing harmonics or ripples	
С	H02J3/02	1	using a single network for simultaneous distribution of AC power at different frequencies	H02J3/02, H02J4/10
M	H02J3/04	1	Arrangements for connecting networks of the same frequency but supplied from different sources	
М	H02J3/06	2	Controlling the transfer of power between connected networks; Controlling load sharing between connected networks	
M	H02J3/08	2	Synchronisation of networks	
M	H02J3/10	1	Current-controlled supply systems, e.g. constant-current supply systems	
N	H02J3/11	1	Arrangements for adjusting frequency in AC networks, e.g. by control of active power	
M	H02J3/12	1	Arrangements for adjusting voltage in AC networks by changing a characteristic of the network load	
M	H02J3/14	2	by switching loads on to, or off from, the networks, e.g. progressively balanced loading	
D	H02J3/144	3	{Demand-response operation of the power transmission or distribution network}	<administrative transfer to H02J3/17&gt;</administrative 
U	H02J3/16	2	by adjustment of reactive power	
Q	H02J3/17	1	Demand-responsive operation of AC power transmission or distribution networks	H02J3/17, H02J3/175
N	H02J3/175	2	responsive to end-user or load operations (H02J3/14 takes precedence)	
Т	H02J3/18	1	Arrangements for adjusting, eliminating or compensating reactive power in networks	
M	H02J3/1807	2	using series compensators, e.g. thyristor-controlled series capacitors [TCSC]	
M	H02J3/1814	3	having reactive elements actively controlled by bridge converters, e.g. unified power flow controllers [UPFC] or controlled series voltage compensators	
M	H02J3/1821	2	using shunt compensators	
M	H02J3/1828	3	with stepwise control, e.g. switched capacitor banks	
M	H02J3/1835	3	with stepless control	
М	H02J3/1842	4	having reactive elements actively controlled by bridge converters, e.g. active filters or static compensators [STATCOM]	
М	H02J3/185	5	the reactive elements being purely inductive, e.g. superconductive magnetic energy storage [SMES] systems	

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M	H02J3/1857	5	the bridge converters being multilevel bridge converters or modular multilevel converters	
M	H02J3/1864	4	using reactive elements connected in series with semiconductor switches, e.g. static VAR compensators [SVC], thyristor-controlled reactors [TCR] or thyristor-switched capacitors [TSC]	
U	H02J3/1871	3	{Methods for planning installation of shunt reactive power compensators}	
M	H02J3/1878	2	using tap changing or phase shifting transformers	
M	H02J3/1885	2	using rotating AC generators, e.g. synchronous generators	
M	H02J3/1892	2	the arrangements being an integral part of the loads or of their control circuits	
D	H02J3/20	2	in long overhead lines	<administrative transfer to H02J3/18&gt;</administrative 
D	H02J3/22	2	in cables	<administrative transfer to H02J3/18&gt;</administrative 
D	H02J3/24	1	Arrangements for preventing or reducing oscillations of power in networks (by control effected upon a single generator H02P 9/00)	<administrative transfer to H02J3/0014&gt;</administrative 
D	H02J3/241	2	{The oscillation concerning frequency}	<administrative transfer to H02J3/00142&gt;</administrative 
D	H02J3/242	2	{using phasor measuring units [PMU] }	<administrative transfer to H02J3/00144&gt;</administrative 
U	H02J3/26	1	Arrangements for eliminating or reducing asymmetry in polyphase networks	
M	H02J3/28	1	Arrangements for balancing of the load in networks by storage of energy	
U	H02J3/30	2	using dynamo-electric machines coupled to flywheels	
M	H02J3/32	2	using batteries or super capacitors with converting means	
U	H02J3/322	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}	
U	H02J3/34	1	Arrangements for transfer of electric power between networks of substantially different frequency	
M	H02J3/36	1	Arrangements for transfer of electric power between AC networks via high-voltage DC [HVDC] links; Arrangements for transfer of electric power between generators and networks via HVDC links	

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U	H02J2003/365	2	{Reducing harmonics or oscillations in HVDC}	
С	H02J3/38	1	Arrangements for feeding a single network from two or more generators or sources in parallel; Arrangements for feeding already energised networks from additional generators or sources in parallel	H02J3/38, H02J3/40, H02J3/44, H02J3/46, H02J3/466, H02J3/50
U	H02J3/381	2	{Dispersed generators}	
M	H02J3/388	2	Arrangements for the handling of islanding, e.g. for disconnection or for avoiding the disconnection of power	
T	H02J3/40	2	Synchronisation of generators for connection to a network or to another generator	
U	H02J3/42	3	with automatic parallel connection when synchronisation is achieved	
T	H02J3/44	3	with means for ensuring correct phase sequence	
Т	H02J3/46	2	Controlling the sharing of generated power between the generators, sources or networks	
T	H02J3/466	3	Scheduling or selectively controlling the operation of the generators or sources, e.g. connecting or disconnecting generators to meet a demand	
М	H02J3/472	4	{for selectively connecting the AC sources in a particular order, e.g. sequential, alternating or subsets of sources}	
M	H02J3/48	3	Controlling the sharing of active power	
T	H02J3/50	3	Controlling the sharing of reactive power	
С	H02J4/00	0	Circuit arrangements for mains or distribution networks not specified as AC or DC; Circuit arrangements for mains or distribution networks combining AC and DC sections or sub-networks (arrangements using intermediate DC-AC-DC conversion H02J1/002; arrangements using high-voltage DC [HVDC] links H02J3/36)	H02J4/00, H02J4/10, H02J4/20, H02J4/25
N	H02J4/10	1	using a single network for simultaneous distribution of AC and DC power	
N	H02J4/20	1	Networks integrating separated AC and DC power sections	
N	H02J4/25	2	for transfer of electric power between AC and DC networks, e.g. for supplying the DC section within a load from an AC mains system	
D	H02J5/00	0	Circuit arrangements for transfer of electric power between AC networks and DC networks (H02J 3/36 takes precedence)	<administrative transfer to H02J4/25&gt;</administrative 
С	H02J13/00	0	Circuit arrangements for providing remote monitoring or remote control of equipment in a power distribution network	H02J13/00, H02J13/38

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D	H02J13/00001	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]}	<administrative transfer to H02J13/10&gt;</administrative 
D	H02J13/00002	1	{characterised by monitoring}	<administrative transfer to H02J13/12&gt;</administrative 
D	H02J13/00004	1	{characterised by the power network being locally controlled}	<administrative 14="" h02j13="" to="" transfer=""></administrative>
D	H02J13/00006	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}	<administrative transfer to H02J13/13&gt;</administrative 
D	H02J13/00007	2	{using the power network as support for the transmission}	<administrative transfer to H02J13/1311&gt;</administrative 
D	H02J13/00009	3	{using pulsed signals}	<administrative transfer to H02J13/1313&gt;</administrative 
D	H02J13/0001	3	{using modification of a parameter of the network power signal}	<administrative transfer to H02J13/1315&gt;</administrative 
D	H02J13/00012	2	{using an auxiliary transmission line}	<administrative transfer to H02J13/1317&gt;</administrative 
D	H02J13/00014	3	{carrying signals having the network frequency or DC signals}	<administrative transfer to H02J13/1319&gt;</administrative 
D	H02J13/00016	2	{using a wired telecommunication network or a data transmission bus}	<administrative transfer to H02J13/1321&gt;</administrative 
D	H02J13/00017	3	{using optical fiber}	<administrative transfer to H02J13/1323&gt;</administrative 
D	H02J13/00018	3	{using phone lines}	<administrative transfer to H02J13/1325&gt;</administrative 
D	H02J13/00019	2	{using optical means}	<administrative transfer to H02J13/1327&gt;</administrative 
D	H02J13/0002	2	{using ultrasonic means}	<administrative transfer to H02J13/1329&gt;</administrative 
D	H02J13/00022	2	{using wireless data transmission}	<administrative transfer to H02J13/1331&gt;</administrative 

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D	H02J13/00024	3	{by means of mobile telephony}	<administrative transfer to H02J13/1333&gt;</administrative 
D	H02J13/00026	3	{involving a local wireless network, e.g. Wi-Fi, ZigBee or Bluetooth}	<administrative transfer to H02J13/1335&gt;</administrative 
D	H02J13/00028	2	{involving the use of Internet protocols}	<administrative transfer to H02J13/1337&gt;</administrative 
D	H02J13/00032	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)}	<administrative transfer to H02J13/16&gt;</administrative 
D	H02J13/00034	2	{the elements or equipment being or involving an electric power substation}	<administrative transfer to H02J13/333&gt;</administrative 
D	H02J13/00036	2	{the elements or equipment being or involving switches, relays or circuit breakers (circuits for indication of single switches H01H9/167)}	<administrative transfer to H02J13/34&gt;</administrative 
D	H02J13/0004	3	{involved in a protection system}	<administrative 36="" h02j13="" to="" transfer=""></administrative>
D	H02J13/0005	2	{the elements or equipment being or involving power plugs or sockets}	<administrative transfer to H02J13/38&gt;</administrative 
N	H02J13/10	1	characterised by displaying of information or by user interaction, e.g. supervisory control and data acquisition [SCADA] systems	
N	H02J13/12	1	Monitoring network conditions, e.g. electrical magnitudes or operational status	
N	H02J13/13	1	characterised by the transmission of data to equipment in the power network	
N	H02J13/1311	2	{using the power network as support for the transmission}	
N	H02J13/1313	3	{using pulsed signals}	
N	H02J13/1315	3	{using modification of a parameter of the network power signal}	
N	H02J13/1317	2	{using an auxiliary transmission line}	
N	H02J13/1319	3	{carrying signals having the network frequency or DC signals}	
N	H02J13/1321	2	{using a wired telecommunication network or a data transmission bus}	
N	H02J13/1323	3	{using optical fibres}	
N	H02J13/1325	3	{using phone lines}	
N	H02J13/1327	2	{using optical means}	
N	H02J13/1329	2	{using ultrasonic means}	

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N	H02J13/1331	2	{using wireless data transmission}	
N	H02J13/1333	3	{by means of mobile telephony}	
N	H02J13/1335	3	{involving a local wireless network, e.g. Wi-Fi®, ZigBee® or Bluetooth®}	
N	H02J13/1337	2	{involving the use of Internet protocols}	
N	H02J13/14	1	the power network being locally controlled, e.g. home energy management systems [HEMS]	
Q	H02J13/16	1	the power network being controlled at grid-level, e.g. using aggregators	H02J13/16, H02J13/18, H02J13/181, H02J13/182, H02J13/183
N	H02J13/18	1	characterised by the remotely-controlled equipment, e.g. converters or transformers	
N	H02J13/181	2	the equipment comprising generators	
N	H02J13/182	2	the equipment comprising loads connected to the power network	
N	H02J13/183	2	the equipment comprising energy storage systems	
N	H02J13/333	2	the equipment forming part of substations	
N	H02J13/34	2	the equipment being switches, relays or circuit breakers	
N	H02J13/36	3	specially adapted for protection systems	
N	H02J13/38	2	the equipment being power outlets	
С	H02J15/00	0	Systems for storing electric energy specially adapted for power networks	H02J15/00, H02J15/40
D	H02J15/003	1	{in the form of hydraulic energy}	<administrative 10="" h02j15="" to="" transfer=""></administrative>
D	H02J15/006	1	{in the form of pneumatic energy, e.g. compressed air energy storage [CAES] (accumulators for supplying fluid under pressure F15B1/04)}	<administrative transfer to H02J15/20&gt;</administrative 
D	H02J15/007	1	{involving storage in the form of mechanical energy, e.g. fly-wheels}	<administrative 30="" h02j15="" to="" transfer=""></administrative>
D	H02J15/008	1	{using hydrogen as energy vector}	<administrative transfer to H02J15/50&gt;</administrative 
N	H02J15/10	1	using storage of hydraulic energy	
N	H02J15/20	1	using storage of pneumatic energy, e.g. compressed air energy storage [CAES]	
N	H02J15/30	1	using storage of inertial or mechanical energy, e.g. using flywheels	
N	H02J15/40	1	using coils, e.g. superconductive magnetic energy storage [SMES] systems	
N	H02J15/50	1	using stored hydrogen	
U	H02J50/90	1	involving detection or optimisation of position, e.g. alignment	
N	H02J2101/00	0	Supply or distribution of decentralised, dispersed or local electric power generation	

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N	H02J2101/10	1	Dispersed power generation using fossil fuels, e.g. diesel generators	
Q	H02J2101/20	1	Dispersed power generation using renewable energy sources	H02J2101/20, H02J2101/35
N	H02J2101/22	2	Solar energy	
N	H02J2101/24	3	Photovoltaics	
N	H02J2101/25	4	{involving maximum power point tracking control for photovoltaic sources}	
N	H02J2101/28	2	Wind energy	
N	H02J2101/30	2	Fuel cells	
N	H02J2101/35	2	Renewable hydrocarbon sources	
N	H02J2101/40	1	Hybrid power plants, i.e. a plurality of different generation technologies being operated at one power plant	
Q	H02J2103/00	0	Details of circuit arrangements for mains or AC distribution networks	H02J2103/00, H02J2103/40, H02J2103/50
N	H02J2103/30	1	Simulating, planning, modelling, reliability check or computer assisted design [CAD] of electric power networks	
N	H02J2103/35	2	Grid-level management of power transmission or distribution systems, e.g. load flow analysis or active network management	
N	H02J2103/40	1	Circuit arrangements adaptive to forecasted demand	
N	H02J2103/50	1	Circuit arrangements adaptive to forecasted power generation	
N	H02J2105/00	0	Networks for supplying or distributing electric power characterised by their spatial reach or by the load	
N	H02J2105/10	1	Local stationary networks having a local or delimited stationary reach	
N	H02J2105/12	2	supplying households or buildings	
N	H02J2105/16	2	being internal to power sources or power generation plants	
N	H02J2105/30	1	the load networks being external to vehicles, i.e. exchanging power with vehicles	
N	H02J2105/31	2	{for ships or vessels}	
N	H02J2105/32	2	{for aircrafts}	
N	H02J2105/33	2	exchanging power with road vehicles	
N	H02J2105/37	3	exchanging power with electric vehicles [EV] or with hybrid electric vehicles [HEV]	
N	H02J2105/40	1	characterised by the loads connecting to the networks or being supplied by the networks	
N	H02J2105/42	2	Home appliances	

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N	H02J2105/425	3	{the loads being an Information and Communication Technology [ICT] facility}	
N	H02J2105/44	2	Portable electronic devices	
N	H02J2105/46	2	Medical devices, medical implants or life supporting devices	
N	H02J2105/50	1	for selectively controlling the operation of the loads	
N	H02J2105/51	2	{according to a condition being electrical}	
N	H02J2105/52	2	for limitation of the power consumption in the networks or in one section of the networks, e.g. load shedding or peak shaving	
N	H02J2105/53	3	for partial power limitation, e.g. entering degraded or current limitation modes	
N	H02J2105/54	2	according to a non-electrical condition, e.g. temperature	
N	H02J2105/55	3	according to an economic condition, e.g. tariff-based load management	
N	H02J2105/57	2	{according to a pre-established time schedule}	
N	H02J2105/59	2	{one of the loads acting as leader and the other or others acting as followers}	
N	H02J2105/61	1	{Load identification}	
Q	H02J2107/00	0	Circuit arrangements for communication specially adapted for monitoring, managing or controlling operation of power networks remotely	H02J2107/00, H02J2107/10, H02J2107/105, H02J2107/20, H02J2107/30
N	H02J2107/10	1	using wired networks, e.g. data transmission buses or optical fibres	
N	H02J2107/105	2	Power line communication [PLC]	
N	H02J2107/20	1	using wireless networks, e.g. mobile telephones	
N	H02J2107/30	1	involving the use of Internet protocols	
N	H02J 2107/40	1	{using simultaneously two or more different transmission means}	
D	H02J2203/00	0	Indexing scheme relating to details of circuit arrangements for AC mains or AC distribution networks	<administrative transfer to H02J2103/00&gt;</administrative 
D	H02J2203/10	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	<administrative transfer to H02J2103/35&gt;</administrative 
D	H02J2203/20	1	Simulating, e g planning, reliability check, modelling or computer assisted design [CAD]	<administrative transfer to H02J2103/30&gt;</administrative 
M	H02J2207/00	0	Details of circuit arrangements for charging or discharging batteries or supplying loads from batteries	

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D	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	<administrative transfer to H02J2107/00&gt;</administrative 
D	H02J 2213/10	1	using simultaneously two or more different transmission means	<administrative transfer to H02J2107/40&gt;</administrative 
D	H02J2300/00	0	Systems for supplying or distributing electric power characterised by decentralized, dispersed, or local generation	<administrative transfer to H02J2101/00&gt;</administrative 
D	H02J 2300/10	1	The dispersed energy generation being of fossil origin, e.g. diesel generators	<administrative transfer to H02J2101/10&gt;</administrative 
D	H02J 2300/20	1	The dispersed energy generation being of renewable origin	<administrative transfer to H02J2101/20&gt;</administrative 
D	H02J 2300/22	2	The renewable source being solar energy	<administrative transfer to H02J2101/22&gt;</administrative 
D	H02J 2300/24	3	of photovoltaic origin	<administrative transfer to H02J2101/24&gt;</administrative 
D	H02J 2300/26	4	involving maximum power point tracking control for photovoltaic sources	<administrative transfer to H02J2101/25&gt;</administrative 
D	H02J 2300/28	2	The renewable source being wind energy	<administrative transfer to H02J2101/28&gt;</administrative 
D	H02J 2300/30	1	The power source being a fuel cell	<administrative transfer to H02J2101/30&gt;</administrative 
D	H02J 2300/40	1	wherein a plurality of decentralised, dispersed or local energy generation technologies are operated simultaneously	<administrative transfer to H02J2101/40&gt;</administrative 
D	H02J2310/00	0	The network for supplying or distributing electric power characterised by its spatial reach or by the load	<administrative transfer to H02J2105/00&gt;</administrative 
D	H02J2310/10	1	The network having a local or delimited stationary reach	<administrative transfer to H02J2105/10&gt;</administrative 
D	H02J2310/12	2	The local stationary network supplying a household or a building	<administrative transfer to H02J2105/12&gt;</administrative 
D	H02J2310/14	3	The load or loads being home appliances	<administrative transfer to H02J2105/42&gt;</administrative 

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D	H02J2310/16	3	The load or loads being an Information and Communication Technology [ICT] facility	<administrative transfer to H02J2105/425&gt;</administrative 
D	H02J2310/18	2	The network being internal to a power source or plant	<administrative transfer to H02J2105/16&gt;</administrative 
D	H02J2310/20	2	The network being internal to a load	<administrative transfer to H02J2105/40&gt;</administrative 
D	H02J2310/22	3	The load being a portable electronic device	<administrative transfer to H02J2105/44&gt;</administrative 
D	H02J2310/23	3	The load being a medical device, a medical implant, or a life supporting device	<administrative transfer to H02J2105/46&gt;</administrative 
D	H02J2310/40	1	The network being an on-board power network, i.e. within a vehicle	<administrative transfer to H02J2105/30&gt;</administrative 
D	H02J2310/42	2	for ships or vessels	<administrative transfer to H02J2105/31&gt;</administrative 
D	H02J2310/44	2	for aircrafts	<administrative transfer to H02J2105/32&gt;</administrative 
D	H02J2310/46	2	for ICE-powered road vehicles	<administrative transfer to H02J2105/33&gt;</administrative 
D	H02J2310/48	2	for electric vehicles [EV] or hybrid vehicles [HEV]	<administrative transfer to H02J2105/37&gt;</administrative 
D	H02J2310/50	1	for selectively controlling the operation of the loads	<administrative transfer to H02J2105/50&gt;</administrative 
D	H02J2310/52	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	<administrative transfer to H02J2105/53&gt;</administrative 
D	H02J2310/54	2	according to a pre-established time schedule	<administrative transfer to H02J2105/57&gt;</administrative 
D	H02J2310/56	2	characterised by the condition upon which the selective controlling is based	<administrative transfer to H02J2105/50&gt;</administrative 
D	H02J2310/58	3	The condition being electrical	<administrative transfer to H02J2105/51&gt;</administrative 
D	H02J2310/60	4	Limiting power consumption in the network or in one section of the network, e.g. load shedding or peak shaving	<administrative transfer to H02J2105/52&gt;</administrative 

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D	H02J2310/62	3	The condition being non-electrical, e.g. temperature	<administrative transfer to H02J2105/54&gt;</administrative 
D	H02J2310/64	4	The condition being economic, e.g. tariff based load management	<administrative transfer to H02J2105/55&gt;</administrative 
D	H02J2310/66	2	one of the loads acting as master and the other or others acting as slaves	<administrative transfer to H02J2105/59&gt;</administrative 
D	H02J2310/70	1	Load identification	<administrative transfer to H02J2105/61&gt;</administrative 

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

#### NOTES:

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

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

Type*	Location	Old Warning notice	New/Modified Warning
N	Н02Ј 1/14		Group H02J 1/14 is impacted by reclassification into groups H02J 1/15 and H02J 1/16. Groups H02J 1/14, H02J 1/15 and H02J 1/16 should be considered in order to perform a complete search.
N	H02J 1/15		Group H02J 1/15 is incomplete pending reclassification of documents from group H02J 1/14. Groups H02J 1/14 and H02J 1/15 should be considered in order to perform a complete search.
N	H02J 1/16		Group H02J 1/16 is incomplete pending reclassification of documents from group H02J 1/14. Groups H02J 1/14 and H02J 1/16 should be considered in order to perform a complete search.
N	H02J 3/00		Group H02J 3/00 is impacted by reclassification into groups H02J 3/11, H02J 13/16, H02J 13/18, H02J 13/181, H02J 13/182 and H02J 13/183. All groups listed in this Warning should be considered in order to perform a complete search.
N	Н02Ј 3/001		Group H02J 3/001 is impacted by reclassification into group H02J 3/0014. Groups H02J 3/001 and H02J 3/0014 should be considered in order to perform a complete search.
N	H02J 3/0014		Group H02J 3/0014 is incomplete pending reclassification of documents from group H02J 3/001. Groups H02J 3/001 and H02J 3/0014 should be considered in order to perform a complete search.
N	H02J 3/02		Group H02J 3/02 is impacted by reclassification into group H02J 4/10. Groups H02J 3/02 and H02J 4/10 should be considered in order to perform a complete search.
N	H02J 3/11		Group H02J 3/11 is incomplete pending reclassification of documents from group H02J 3/00. Groups H02J 3/00 and H02J 3/11 should be considered in order to perform a complete search.
N	H02J 3/17		Group H02J 3/17 is impacted by reclassification into group H02J 3/175. Groups H02J 3/17 and H02J 3/175 should be considered in order to perform a complete search.
N	H02J 3/175		Group H02J 3/175 is incomplete pending reclassification of documents from group H02J 3/17. Groups H02J 3/17 and H02J 3/175 should be considered in order to perform a complete search.

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N	H02J 3/38	Group H02J 3/38 is impacted by reclassification into groups H02J 3/40, H02J 3/44, H02J 3/46, H02J 3/466 and H02J 3/50. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 3/40	Groups H02J 3/40 and H02J 3/44 are incomplete pending reclassification of documents from group H02J 3/38. Groups H02J 3/38, H02J 3/40 and H02J 3/44 should be considered in order to perform a complete search.
N	Н02Ј 3/46	Groups H02J 3/46, H02J 3/466 and H02J 3/50 are incomplete pending reclassification of documents from group H02J 3/38. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 4/00	Group H02J 4/00 is impacted by reclassification into groups H02J 4/10 and H02J 4/20 - H02J 4/25. Groups H02J 4/00, H02J 4/10 and H02J 4/20 - H02J 4/25 should be considered in order to perform a complete search.
N	H02J 4/10	Group H02J 4/10 is incomplete pending reclassification of documents from groups H02J 3/02 and H02J 4/00. Groups H02J 3/02, H02J 4/00 and H02J 4/10 should be considered in order to perform a complete search.
N	H02J 4/20	Groups H02J 4/20 and H02J 4/25 are incomplete pending reclassification of documents from group H02J 4/00. Groups H02J 4/00, H02J 4/20 and H02J 4/25 should be considered in order to perform a complete search.
N	H02J 13/00	Group H02J 13/00 is impacted by reclassification into group H02J 13/38. Groups H02J 13/00 and H02J 13/38 should be considered in order to perform a complete search.
N	H02J 13/16	Group H02J 13/16 is incomplete pending reclassification of documents from group H02J 3/00. Group H02J 13/16 is also impacted by reclassification into groups H02J 13/18, H02J 13/181, H02J 13/182 and H02J 13/183. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 13/18	Groups H02J 13/18, H02J 13/181, H02J 13/182 and H02J 13/183 are incomplete pending reclassification of documents from groups H02J 3/00 and H02J 13/16. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 13/38	Group H02J 13/38 is incomplete pending reclassification of documents from group H02J 13/00. Groups H02J 13/00 and H02J 13/38 should be considered in order to perform a complete search.
N	H02J 15/00	Group H02J 15/00 is impacted by reclassification into group H02J 15/40. Groups H02J 15/00 and H02J 15/40 should be considered in order to perform a complete search.

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N	H02J 15/40	Group H02J 15/40 is incomplete pending reclassification of documents from group H02J 15/00. Groups H02J 15/00 and H02J 15/40 should be considered in order to perform a complete search.
N	H02J 2101/20	Group H02J 2101/20 is impacted by reclassification into group H02J 2101/35. Groups H02J 2101/20 and H02J 2101/35 should be considered in order to perform a complete search.
N	H02J 2101/35	Group H02J 2101/35 is incomplete pending reclassification of documents from group H02J 2101/20. Groups H02J 2101/20 and H02J 2101/35 should be considered in order to perform a complete search.
N	H02J 2103/00	Group H02J 2103/00 is impacted by reclassification into groups H02J 2103/40 and H02J 2103/50. Groups H02J 2103/00, H02J 2103/40 and H02J 2103/50 should be considered in order to perform a complete search.
N	H02J 2103/40	Group H02J 2103/40 is incomplete pending reclassification of documents from group H02J 2103/00. Groups H02J 2103/00 and H02J 2103/40 should be considered in order to perform a complete search.
N	H02J 2103/50	Group H02J 2103/50 is incomplete pending reclassification of documents from group H02J 2103/00. Groups H02J 2103/00 and H02J 2103/50 should be considered in order to perform a complete search.
N	H02J 2107/00	Group H02J 2107/00 is impacted by reclassification into groups H02J 2107/10 - H02J 2107/105, H02J 2107/20 and H02J 2107/30. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02J 2107/10	Groups H02J 2107/10 and H02J 2107/105 are incomplete pending reclassification of documents from group H02J 2107/00. Groups H02J 2107/00, H02J 2107/10 and H02J 2107/105 should be considered in order to perform a complete search.
N	H02J 2107/20	Group H02J 2107/20 is incomplete pending reclassification of documents from group H02J 2107/00. Groups H02J 2107/00 and H02J 2107/20 should be considered in order to perform a complete search.
N	H02J 2107/30	Group H02J 2107/30 is incomplete pending reclassification of documents from group H02J 2107/00. Groups H02J 2107/00 and H02J 2107/30 should be considered in order to perform a complete search.

<sup>\*</sup>N = new warning, M = modified warning, D = deleted warning

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

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

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

Type*	Location	<u>Old Note</u>	New/Modified Note
M	H02J	<ul> <li>1. This subclass covers:</li> <li>AC or DC mains or distribution networks;</li> <li>circuit arrangements for battery supplies, including charging or control thereof, or coordinated supply from two or more sources of any kind;</li> <li>circuit arrangements or systems for wireless supply or distribution of electric power.</li> <li>2. This subclass does not cover:</li> <li>control of a single motor, generator or dynamo-electric converter, of the types covered by subclass H01F or H02K, which is covered by subclass H02P;</li> <li>control of a single motor or generator, of the types covered by subclass H02N, which is covered by that subclass.</li> </ul>	electric power infrastructure serving loads

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		In this subclass, it is desirable to add the indexing codes of groups H02J 2101/00 - H02J 2207/00.

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

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

Type*	<u>Location</u>	Old Guidance Heading	New/Modified Guidance Heading
N	H02J2101/00 - H02J2101/00		Indexing scheme relating to dispersed electric power generation
N	H02J2103/00 - H02J2103/00		Indexing scheme relating to circuit arrangements for AC distribution networks
N	H02J2105/00 - H02J2105/00		Indexing scheme relating to spatial reach or load
N	H02J2107/00 - H02J2107/00		Indexing scheme relating to circuit arrangements for communication
N	H02J2207/00 - H02J2207/00		Indexing scheme relating to circuit arrangements for charging or discharging batteries or supplying loads from batteries

<sup>\*</sup>N = new guidance heading, M = modified guidance heading, D = deleted guidance heading

#### NOTES:

- The "Location" column requires the symbol AFTER the guidance heading location. No further directions such as "before" or "after" are required.
- In cases where there may be confusion as to whether a new group falls within the scope of a guidance heading, indicate the guidance heading and whether the group does or does not go with the guidance heading. This can be included in the "Location" column. For example, the guidance heading "Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen" encompasses groups C07C 301/00-395/00 only. If a new group C07C 398/00 is proposed and is included in the guidance heading scope, indicate this in the "Location" column as follows: 398/00 to be included under the guidance heading: "Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen."

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# 2. A. DEFINITIONS (new)

## H02J 3/0014

## **Definition statement**

This place covers:

Circuits arrangements, devices and methods for preventing, avoiding or correcting oscillations of voltage, current or power in an AC power network.

## References

#### Informative references

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

Arrangements for controlling electric generators for the	H02P 9/00
purpose of obtaining a desired output	

#### H02J 4/25

#### **Definition statement**

This place covers:

Circuit arrangements, systems and methods for supplying a DC load from an AC power source. Only general-purpose circuits (not application-oriented/driven) are classified in the group.

## References

#### Informative references

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Circuit arrangements for DC mains or DC distribution	H02J 1/00
networks	
Magnets; Inductances; Transformers; Selection of	H01F
materials for their magnetic properties	
Conversion of AC power input into DC power output;	H02M 7/00
Conversion of DC power input into AC power output	

# **Special rules of classification**

A system used for feeding an AC distribution network from the output of DC power source like fuel cells, solar panels belong to H02J 3/38 and not to H02J 4/25, even if a DC to AC transfer is involved.

## H02J 2101/25

## References

### Informative references

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

Regulating electric power to the maximum power available	G05F 1/67
from a generator, e.g. from solar cell	

## H02J 2101/28

### References

#### Informative references

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

Wind motors	F03D
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# 2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H02J 1/108	Limiting reference	H02J 1/12	Replace the reference wording with:
			Parallel operation of DC sources having power converters with further DC sources without power converters, e.g. with mercury-arc rectifier
H02J 3/18	Limiting reference	H02J 3/16	Delete the limiting reference
H02J 3/1842	Informative reference	H02J 3/1814	Replace the reference wording with:
			Arrangements having reactive elements actively controlled by bridge converters, e.g. bridge combining both series and shunt compensators
H02J 3/24	Definition		Delete the entire Definition
H02J 5/00	Definition		Delete the entire Definition
H02J 13/00	Definition statement	H02J 13/00	Replace: H02J 13/00 covers operation-related documents with
			Operation related desuments
H02J 15/00	Informative references	H02J 3/28	Operation-related documents  Replace the reference wording with:
			Arrangements for balancing of the load in networks by storage of energy
H02J 2300/26	Definition		Delete the full definition including the Informative references
H02J 2300/28	Definition		Delete the full definition including the Informative references

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Use this Definitions Quick Fix (DQF) table to:

- Delete an entire definition
- Delete an entire section
- Change a reference symbol
- Delete a reference symbol
- Delete text in a References section
- Correct one error in spelling, article use, or verb tense

Otherwise, use the standard template.

Reminder: Never delete F symbol definitions.

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# 3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)	
С	H02J 1/14	H02J 1/14, H02J 1/15, H02J 1/16	
C	H02J 3/00	H02J 3/00, H02J 3/11, H02J 13/16, H02J 13/18, H02J 13/181, H02J	
		13/182, H02J 13/183	
С	H02J 3/001	H02J 3/001, H02J 3/0014	
С	H02J 3/02	H02J 3/02, H02J 4/10	
D	H02J 3/144	<administrative 17="" 3="" h02j="" to="" transfer=""></administrative>	
Q	H02J 3/17	H02J 3/17, H02J 3/175	
D	H02J 3/20	<administrative 18="" 3="" h02j="" to="" transfer=""></administrative>	
D	H02J 3/22	<administrative 18="" 3="" h02j="" to="" transfer=""></administrative>	
D	H02J 3/24	<administrative 0014="" 3="" h02j="" to="" transfer=""></administrative>	
D	H02J 3/241	<administrative 00142="" 3="" h02j="" to="" transfer=""></administrative>	
D	H02J 3/242	<administrative 00144="" 3="" h02j="" to="" transfer=""></administrative>	
С	H02J 3/38	H02J 3/38, H02J 3/40, H02J 3/44, H02J 3/46, H02J 3/466, H02J 3/50	
С	H02J 4/00	H02J 4/00, H02J 4/10, H02J 4/20, H02J 4/25	
D	H02J 5/00	<administrative 25="" 4="" h02j="" to="" transfer=""></administrative>	
С	H02J 13/00	H02J 13/00, H02J 13/38	
D	H02J 13/00001	<administrative 10="" 13="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00002	<administrative 12="" 13="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00004	<administrative 13="" 14="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00006	<administrative 13="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00007	<administrative 13="" 1311="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00009	<administrative 13="" 1313="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/0001	<administrative 13="" 1315="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00012	<administrative 13="" 1317="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00014	<administrative 13="" 1319="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00016	<administrative 13="" 1321="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00017	<administrative 13="" 1323="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00018	<administrative 13="" 1325="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00019	<administrative 13="" 1327="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/0002	<administrative 13="" 1329="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00022	<administrative 13="" 1331="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00024	<administrative 13="" 1333="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00026	<administrative 13="" 1335="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00028	<administrative 13="" 1337="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00032	<administrative 13="" 16="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00034	<administrative 13="" 333="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/00036	<administrative 13="" 34="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/0004	<administrative 13="" 36="" h02j="" to="" transfer=""></administrative>	
D	H02J 13/0005	<administrative 13="" 38="" h02j="" to="" transfer=""></administrative>	
Q	H02J 13/16	H02J 13/16, H02J 13/18, H02J 13/181, H02J 13/182, H02J 13/183	
С	H02J 15/00	H02J 15/00, H02J 15/40	
D	H02J 15/003	<administrative 10="" 15="" h02j="" to="" transfer=""></administrative>	
D	H02J 15/006	<administrative 15="" 20="" h02j="" to="" transfer=""></administrative>	
D	H02J 15/007	<administrative 15="" 30="" h02j="" to="" transfer=""></administrative>	
D	H02J 15/008	<administrative 15="" 50="" h02j="" to="" transfer=""></administrative>	
Q	H02J 2101/20	H02J 2101/20, H02J 2101/35	
Q	H02J 2103/00	H02J 2103/00, H02J 2103/40, H02J 2103/50	

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Type*	From CPC Symbol	To CPC Symbol(s)	
	(existing)		
Q	H02J 2107/00	H02J 2107/00, H02J 2107/10, H02J 2107/105, H02J 2107/20, H02J	
		2107/30	
D	H02J 2203/00	<administrative 00="" 2103="" h02j="" to="" transfer=""></administrative>	
D	H02J 2203/10	<administrative 2103="" 35="" h02j="" to="" transfer=""></administrative>	
D	H02J 2203/20	<administrative 2103="" 30="" h02j="" to="" transfer=""></administrative>	
D	H02J 2213/00	<administrative 00="" 2107="" h02j="" to="" transfer=""></administrative>	
D	H02J 2213/10	<administrative 2107="" 40="" h02j="" to="" transfer=""></administrative>	
D	H02J 2300/00	<administrative 00="" 2101="" h02j="" to="" transfer=""></administrative>	
D	H02J 2300/10	<administrative 10="" 2101="" h02j="" to="" transfer=""></administrative>	
D	H02J 2300/20	<administrative 20="" 2101="" h02j="" to="" transfer=""></administrative>	
D	H02J 2300/22	<administrative 2101="" 22="" h02j="" to="" transfer=""></administrative>	
D	H02J 2300/24	<administrative 2101="" 24="" h02j="" to="" transfer=""></administrative>	
D	H02J 2300/26	<administrative 2101="" 25="" h02j="" to="" transfer=""></administrative>	
D	H02J 2300/28	<administrative 2101="" 28="" h02j="" to="" transfer=""></administrative>	
D	H02J 2300/30	<administrative 2101="" 30="" h02j="" to="" transfer=""></administrative>	
D	H02J 2300/40	<administrative 2101="" 40="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/00	<administrative 00="" 2105="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/10	<administrative 10="" 2105="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/12	<administrative 12="" 2105="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/14	<administrative 2105="" 42="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/16	<administrative 2105="" 425="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/18	<administrative 16="" 2105="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/20	<administrative 2105="" 40="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/22	<administrative 2105="" 44="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/23	<administrative 2105="" 46="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/40	<administrative 2105="" 30="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/42	<administrative 2105="" 31="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/44	<administrative 2105="" 32="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/46	<administrative 2105="" 33="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/48	<administrative 2105="" 37="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/50	<administrative 2105="" 50="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/52	<administrative 2105="" 53="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/54	<administrative 2105="" 57="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/56	<administrative 2105="" 50="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/58	<administrative 2105="" 51="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/60	<administrative 2105="" 52="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/62	<administrative 2105="" 54="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/64	<administrative 2105="" 55="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/66	<administrative 2105="" 59="" h02j="" to="" transfer=""></administrative>	
D	H02J 2310/70	<administrative 2105="" 61="" h02j="" to="" transfer=""></administrative>	

<sup>\*</sup> 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)

H02J 1/002       H02J 1/002       UPDATE         H02J 1/082       H02J 1/082       UPDATE         H02J 1/102       H02J 1/102       UPDATE         H02J 1/108       H02J 1/108       UPDATE         H02J 1/15       H02J 1/15       NEW         H02J 3/001       H02J 3/001       UPDATE         H02J 3/0012       H02J 3/0012       UPDATE         H02J 3/00145       H02J 3/0014       NEW         H02J 3/00140       NEW       NEW         H02J 3/00144       H02J 3/0014       NEW         H02J 3/00144       H02J 3/0014       NEW	
H02J 1/082       H02J 1/082       UPDATE         H02J 1/102       H02J 1/102       UPDATE         H02J 1/108       H02J 1/108       UPDATE         H02J 1/15       H02J 1/15       NEW         H02J 3/001       H02J 3/001       UPDATE         H02J 3/0012       H02J 3/0012       UPDATE         H02J 3/00145       H02J 3/0014       NEW         H02J 3/00140       NEW         H02J 3/00144       H02J 3/0014       NEW         H02J 3/00144       H02J 3/0014       NEW	
H02J 1/102       H02J 1/102       UPDATE         H02J 1/108       H02J 1/108       UPDATE         H02J 1/15       H02J 1/15       NEW         H02J 3/001       H02J 3/001       UPDATE         H02J 3/0012       H02J 3/0012       UPDATE         H02J 3/00145       H02J 3/0014       NEW         H02J 3/00142       H02J 3/0014       NEW         H02J 3/00144       H02J 3/0014       NEW         H02J 3/00144       H02J 3/0014       NEW	
H02J 1/108         H02J 1/108         UPDATE           H02J 1/15         H02J 1/15         NEW           H02J 3/001         H02J 3/001         UPDATE           H02J 3/0012         H02J 3/0012         UPDATE           H02J 3/00125         H02J 3/001         UPDATE           H02J 3/0014         H02J 3/0014         NEW           H02J 3/00142         H02J 3/0014         NEW           H02J 3/00144         H02J 3/0014         NEW	
H02J 1/15         H02J 1/15         NEW           H02J 3/001         H02J 3/001         UPDATE           H02J 3/0012         H02J 3/0012         UPDATE           H02J 3/00125         H02J 3/001         UPDATE           H02J 3/0014         H02J 3/0014         NEW           H02J 3/00142         H02J 3/0014         NEW           H02J 3/00144         H02J 3/0014         NEW	
H02J 3/001         H02J 3/001         UPDATE           H02J 3/0012         H02J 3/0012         UPDATE           H02J 3/00125         H02J 3/001         UPDATE           H02J 3/0014         H02J 3/0014         NEW           H02J 3/00142         H02J 3/0014         NEW           H02J 3/00144         H02J 3/0014         NEW	
H02J 3/0012       H02J 3/0012       UPDATE         H02J 3/00125       H02J 3/001       UPDATE         H02J 3/0014       H02J 3/0014       NEW         H02J 3/00142       H02J 3/0014       NEW         H02J 3/00144       H02J 3/0014       NEW	
H02J 3/00125         H02J 3/001         UPDATE           H02J 3/0014         H02J 3/0014         NEW           H02J 3/00142         H02J 3/0014         NEW           H02J 3/00144         H02J 3/0014         NEW	
H02J 3/0014       H02J 3/0014       NEW         H02J 3/00142       H02J 3/0014       NEW         H02J 3/00144       H02J 3/0014       NEW	
H02J 3/00142       H02J 3/0014       NEW         H02J 3/00144       H02J 3/0014       NEW	
H02J 3/00144 H02J 3/0014 NEW	
H02J 3/007 H02J 3/007 UPDATE	
H02J 3/0073 H02J 3/0073 UPDATE	
H02J 3/0075 H02J 3/007 UPDATE	
H02J 3/008	
H02J 3/11 H02J 3/11 NEW	
H02J 3/144 DELETE	
H02J 3/17 H02J 3/17 NEW	
H02J 3/175 H02J 3/175 NEW	
H02J 3/1807	
H02J 3/1814	
H02J 3/1821 H02J 3/1821 UPDATE	
H02J 3/1828	
H02J 3/1835 H02J 3/1835 UPDATE	
H02J 3/1842 H02J 3/1842 UPDATE	
H02J 3/185 H02J 3/185 UPDATE	
H02J 3/1857 H02J 3/1857 UPDATE	
H02J 3/1864 H02J 3/1864 UPDATE	
H02J 3/1871 H02J 3/1821 UPDATE	
H02J 3/1878 H02J 3/1878 UPDATE	
H02J 3/1885 H02J 3/1885 UPDATE	
H02J 3/1892 H02J 3/1892 UPDATE	
H02J 3/20 DELETE	
H02J 3/22 DELETE	
H02J 3/24 DELETE	
H02J 3/241 DELETE	
H02J 3/242 DELETE	
H02J 3/388 H02J 3/388 UPDATE	
H02J 3/466	
H02J 3/472 H02J 3/466 UPDATE	
H02J 4/10 H02J 4/10 NEW	
H02J 4/20 H02J 4/20 NEW	

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CPC	<u>IPC</u>	Action*
H02J 4/25	H02J 4/25	NEW
H02J 5/00	11020 1/20	DELETE
H02J 13/00001		DELETE
H02J 13/00002		DELETE
H02J 13/00004		DELETE
H02J 13/00006		DELETE
H02J 13/00007		DELETE
H02J 13/00009		DELETE
H02J 13/0001		DELETE
H02J 13/00012		DELETE
H02J 13/00014		DELETE
H02J 13/00016		DELETE
H02J 13/00017		DELETE
H02J 13/00018		DELETE
H02J 13/00019		DELETE
H02J 13/0002		DELETE
H02J 13/00022		DELETE
H02J 13/00024		DELETE
H02J 13/00026		DELETE
H02J 13/00028		DELETE
H02J 13/00032		DELETE
H02J 13/00034		DELETE
H02J 13/00036		DELETE
H02J 13/0004		DELETE
H02J 13/0005		DELETE
H02J 13/10	H02J 13/10	NEW
H02J 13/12	H02J 13/12	NEW
H02J 13/13	H02J 13/13	NEW
H02J 13/1311	H02J 13/13	NEW
H02J 13/1313	H02J 13/13	NEW
H02J 13/1315	H02J 13/13	NEW
H02J 13/1317	H02J 13/13	NEW
H02J 13/1319	H02J 13/13	NEW
H02J 13/1321	H02J 13/13	NEW
H02J 13/1323	H02J 13/13	NEW
H02J 13/1325	H02J 13/13	NEW
H02J 13/1327	H02J 13/13	NEW
H02J 13/1329	H02J 13/13	NEW
H02J 13/1331	H02J 13/13	NEW
H02J 13/1333	H02J 13/13	NEW
H02J 13/1335	H02J 13/13	NEW
H02J 13/1337	H02J 13/13	NEW
H02J 13/14	H02J 13/14	NEW
H02J 13/16	H02J 13/16	NEW

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<u>IPC</u>	Action*
H02I 12/19	NEW
	NEW
	NEW
	NEW
	NEW
	NEW NEW
HU2J 13/38	NEW
	DELETE
	DELETE
	DELETE
11001 15/10	DELETE
	NEW
H02J 101/22	NEW
H02J 101/24	NEW
H02J 101/24	NEW
H02J 101/28	NEW
H02J 101/30	NEW
H02J 101/35	NEW
H02J 101/40	NEW
H02J 103/00	NEW
H02J 103/30	NEW
H02J 103/35	NEW
H02J 103/40	NEW
H02J 103/50	NEW
H02J 105/00	NEW
H02J 105/10	NEW
H02J 105/12	NEW
H02J 105/16	NEW
H02J105/30	NEW
H02J 105/30	NEW
H02J 105/30	NEW
H02J 105/33	NEW
H02J 105/37	NEW
H02J 105/40	NEW
H02J 105/42	NEW
H02J 105/42	NEW
	H02J 13/181 H02J 13/182 H02J 13/183 H02J 13/333 H02J 13/34 H02J 13/36 H02J 13/36 H02J 15/10 H02J 15/20 H02J 15/20 H02J 15/50 H02J 15/50 H02J 101/00 H02J 101/20 H02J 101/20 H02J 101/22 H02J 101/24 H02J 101/24 H02J 101/28 H02J 101/28 H02J 101/35 H02J 101/35 H02J 103/30 H02J 103/30 H02J 103/30 H02J 103/50 H02J 105/10 H02J 105/10 H02J 105/30 H02J 105/30 H02J 105/37 H02J 105/40 H02J 105/42

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CPC	<u>IPC</u>	Action*
H02J 2105/44	H02J 105/44	NEW
H02J 2105/46	H02J 105/46	NEW
H02J 2105/50	H02J 105/50	NEW
H02J 2105/51	H02J 105/50	NEW
H02J 2105/52	H02J 105/52	NEW
H02J 2105/53	H02J 105/53	NEW
H02J 2105/54	H02J 105/54	NEW
H02J 2105/55	H02J 105/55	NEW
H02J 2105/57	H02J 105/50	NEW
H02J 2105/59	H02J 105/50	NEW
H02J 2105/61	H02J 105/00	NEW
H02J 2107/00	H02J 107/00	NEW
H02J 2107/00	H02J 107/10	NEW
H02J 2107/105	H02J 107/105	NEW
H02J 2107/20	H02J 107/20	NEW
H02J 2107/20 H02J 2107/30	H02J 107/20 H02J 107/30	NEW
H02J 2107/40	H02J 107/00	NEW
H02J 2203/00	H02J 107/00	DELETE
		DELETE
H02J 2203/10 H02J 2203/20		
		DELETE
H02J 2213/00		DELETE
H02J 2213/10		DELETE
H02J 2300/00 H02J 2300/10		DELETE
		DELETE
H02J 2300/20 H02J 2300/22		DELETE DELETE
H02J 2300/24 H02J 2300/26		DELETE
H02J 2300/28		DELETE DELETE
H02J 2300/28 H02J 2300/30		DELETE
H02J 2300/40		DELETE
H02J 2310/00		DELETE
H02J 2310/10		DELETE
H02J 2310/12		DELETE
H02J 2310/14		DELETE
H02J 2310/16		DELETE
H02J 2310/18		DELETE
H02J 2310/20		DELETE
H02J 2310/22		DELETE
H02J 2310/23		DELETE
H02J 2310/40		DELETE
H02J 2310/42		DELETE
H02J 2310/44		DELETE
H02J 2310/46		DELETE

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CPC	<u>IPC</u>	Action*
H02J 2310/48		DELETE
H02J 2310/50		DELETE
H02J 2310/52		DELETE
H02J 2310/54		DELETE
H02J 2310/56		DELETE
H02J 2310/58		DELETE
H02J 2310/60		DELETE
H02J 2310/62		DELETE
H02J 2310/64		DELETE
H02J 2310/66		DELETE
H02J 2310/70		DELETE

#### \*Action column:

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

#### NOTES:

- F symbols are <u>not</u> included in the CICL table above.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

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# 5. CROSS-REFERENCE LIST (CRL)

Definitions references impacted by this revision project

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
B61B 3/00	H02J 5/00	Informative references	Replace the symbol H02J 5/00 with H02J 4/25
B61B 13/00	H02J 5/00	Informative references	Replace the symbol H02J 5/00 with H02J 4/25
B64G 1/426	H02J 15/007	Informative references	Replace the reference text and symbol:
			Systems for storing electric energy specially adapted for power networks using storage of inertial or mechanical energy, e.g. using flywheels H02J 15/30
F03G 4/066	H02J 15/003	Informative references	Replace the reference text and symbol:  Systems for storing electric energy specially adapted for power networks using storage of hydraulic energy H02J 15/10
F03G 4/066	H02J 15/006	Informative references	Replace the reference text and symbol:  Systems for storing electric energy specially adapted for power networks using storage of pneumatic energy H02J 15/20
F03G 6/074	H02J 15/003	Informative references	Replace the reference text and symbol:  Systems for storing electric energy specially adapted for power networks using storage of hydraulic energy H02J 15/10

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Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
F03G 6/074	H02J 15/006	Informative references	Replace the reference text:
			Systems for storing electric energy specially adapted for power networks using storage of pneumatic energy H02J 15/20
F15B 21/14	H02J 15/006	Informative references	Replace the reference text:
			Systems for storing electric energy specially adapted for power networks using storage of pneumatic energy H02J 15/20
G11C 5/142	H02J 5/00	Informative references	Replace the symbol H02J 5/00 with H02J 4/25
A47L 15/46	H02J	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
A63B 21/0053	H02J 3/008	Informative references	Replace the reference text:
			Circuit arrangements for power supply or distribution technologies responsive to energy trading
B60L 55/00	H02J 3/32	Informative references	Replace the reference text:
			Arrangements for balancing of the load in a network by storage of energy using batteries or super capacitors with converting means

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Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
B60M 3/00	H02J	Informative references	Replace by the reference wording by
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
B61L	H02J	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
B63J 3/00	Н02Ј	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
B64D 27/35	Н02Ј	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
B64D 27/35	H02J 15/00	Informative references	Replace the reference text:
			Systems for storing electric energy specially adapted for power networks

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Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
B64G 1/42	H02J	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
B64G 1/428	H02J	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
D06F 34/28	H02J 13/00	Informative references	Replace the reference text:
			Circuit arrangements for providing remote monitoring or remote control of equipment in a power distribution network
F03B	H02J	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
F03D	Н02Ј	Limiting references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy

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Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
F03D 7/00	H02J	Limiting references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
F03D 9/257	H02J	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
F03G 3/094	H02J 15/00	Informative references	Replace the reference text:
			Systems for storing electric energy specially adapted for power networks
F17C 2265/07	Н02Ј	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
F17C 2270/0581	Н02Ј	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy

## DATE: JANUARY 1, 2026

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol;
7017			New text
G01D	H02J	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or
			systems for supplying or distributing electric power; Systems for
			storing electric energy
G01D 4/00	Н02Ј	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for
G01R 21/00	H02J 3/00	Limiting	storing electric energy  Replace the reference
		references	text:  Circuit arrangements for AC mains or AC distribution networks
G01R 21/00	H02J 13/00	Limiting references	Replace the reference text:
			Circuit arrangements for providing remote monitoring or remote control of equipment in a power distribution network
G01R 21/01	H02J 13/00	Limiting references	Replace the reference text:
			Circuit arrangements for providing remote monitoring or remote control of equipment in a power distribution network
G01R 21/133	H02J 3/00	Limiting references	Replace the reference text:
			Circuit arrangements for AC mains or AC distribution networks

## DATE: JANUARY 1, 2026

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
G01R 21/133	H02J 13/00	Limiting references	Replace the reference text:
			Circuit arrangements for providing remote monitoring or remote control of equipment in a power distribution network
G01R 22/00	H02J 3/00	Informative references	Replace the reference text:
			Circuit arrangements for AC mains or AC distribution networks
G01R 22/00	H02J 13/00	Informative references	Replace the reference text:
			Circuit arrangements for providing remote monitoring or remote control of equipment in a power distribution network
G01R 22/063	H02J 13/00	Limiting references	Replace the reference text:
			Circuit arrangements for providing remote monitoring or remote control of equipment in a power distribution network
G01R 23/00	H02J 13/00	Informative references	Replace the reference text:
			Circuit arrangements for providing remote monitoring or remote control of equipment in a power distribution network

## DATE: JANUARY 1, 2026

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol;
to be changed	group to be changed	definition	New text
G05F	Н02Ј	Application- oriented references	Replace the reference text:  Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
G06F 1/18	H05K, H02J	Informative references	Replace the single reference row into two rows:  Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy H02J  Casings or constructional details of electric apparatus H05K
G06Q 10/04	Н02Ј	Informative references	Replace the reference text:  Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
G06Q 50/06	Н02Ј	Informative references	Replace the reference text:  Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy

## DATE: JANUARY 1, 2026

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
G11C 5/00	G05F, H02J, H02M	Informative references	Replace the single reference row into three rows:
			Systems for regulating electric or magnetic variables G05F
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy H02J
			Apparatus for conversion between AC and AC, between AC and DC or between DC and DC, and for use with mains or similar power supply systems H02M
G11C 5/14	H02J	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
H01B	Н02Ј	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy

## DATE: JANUARY 1, 2026

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
H01G 11/00	Н02Ј	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for
H01H	H02J 13/00	Informative references	storing electric energy  Replace the reference text:
			Circuit arrangements for providing remote monitoring or remote control of equipment in a power distribution network
H01H 9/167	H02J 13/00	Informative references	Replace the reference text:
			Circuit arrangements for providing remote monitoring or remote control of equipment in a power distribution network
H02H 3/00	H02J 1/14 or H02J 3/14	Limiting references	Replace the single reference row into two rows:
			Balancing load and power generation in DC networks H02J 1/14
			Arrangements for adjusting voltage in AC networks by switching loads on to, or off from, the networks H02J 3/14

## DATE: JANUARY 1, 2026

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
H02H 7/00	H02J 3/36	Informative references	Replace the reference text:
			Arrangements for transfer of electric power between AC networks via high-voltage DC [HVDC] links; Arrangements for transfer of electric power between generators and networks via [HVDC] links
H02H 7/00	H02M, H02K, H02P, H02J	Limiting references	Delete the entire limiting references section
H02H 9/00	H02M, H02K, H02P, H02J	Limiting references	Delete the entire limiting references section
H02K 7/025	H02J3/30, H02J 15/00	Informative references	Replace the single reference row into two rows:  Arrangements for balancing of the load in networks by storage of energy using dynamo-electric machines coupled to flywheels H02J 3/30  Systems for storing electric energy specially adapted for power networks H02J 15/00
H02K 47/00	H02J	Informative references	Replace the reference text:  Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy

## DATE: JANUARY 1, 2026

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol;
			New text
H02M	H02J	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric
			power; Systems for storing electric energy
H02P	B60R, H02J	Informative references	Replace the reference text and symbols:
			Electric or fluid circuits specially adapted for vehicles and not otherwise provided for B60R 16/00
H02P	H02J	Informative references	Replace the reference text:  Electric power networks; Circuit
			arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
H02P 9/00	H02J	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
H02P 11/00	H02J	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy

## DATE: JANUARY 1, 2026

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
H02P 13/00	H02J	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for
H02S	H02J	Informative references	storing electric energy  Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
H02S 40/32	H02J	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy

## DATE: JANUARY 1, 2026

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol;
			New text
Н03Н	H02J, H02M	Informative references	Replace the single reference row into two rows:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy H02J
			Apparatus for conversion between AC and AC, between AC and DC or between DC and DC, and for use with mains or similar power supply systems H02M
H03H 1/00	H02J, H02M	Informative references	Replace the single reference row into two rows:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy H02J
			Apparatus for conversion between AC and AC, between AC and DC or between DC and DC, and for use with mains or similar power supply systems H02M

## DATE: JANUARY 1, 2026

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
H03H 7/00	H02J, H02M	Informative references	Replace the single reference row into two rows:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy H02J
			Apparatus for conversion between AC and AC, between AC and DC or between DC and DC, and for use with mains or similar power supply systems H02M
H04B 3/00	H02J 13/00	Informative references	Replace the reference text:
			Circuit arrangements for providing remote monitoring or remote control of equipment in a power distribution network
H04N 5/63	H02J	Informative references	Replace the reference text:
			Electric power networks; Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy
H04Q 9/00	H02J 13/00	Informative references	Replace the reference text:
			Circuit arrangements for providing remote monitoring or remote control of equipment in a power distribution network

DATE: JANUARY 1, 2026

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Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
H05B 7/00	H02J	Informative references	Replace the reference text:
			Electric power networks; Circuit
			arrangements or systems for supplying or distributing electric
			power; Systems for storing electric energy
H05K 10/00	H02J 3/38	Application- oriented references	Replace the reference text:
			Arrangements for feeding a single network from two or more generators or sources in parallel; Arrangements for feeding already energised networks from additional generators or sources in parallel
H10N 60/00	H02J 15/00	Application- oriented references	Replace the reference text:  Systems for storing
			electric energy specially adapted for power networks

## NOTES:

- The CRL tables above are used for changes to locations <u>outside</u> of the project scope. Changes to references in scheme titles or definitions <u>inside</u> 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," <u>referenced</u> D symbols should indicate an action of "delete" or should indicate a replacement symbol and <u>referenced</u> 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.