EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 72

DATE: APRIL 1, 2015

PROJECT RP0060

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

Action*	Subclass	Group(s)
Symbols deleted:	H01M	10/50
	H01M	10/5002
	H01M	10/5004
	H01M	10/5006
	H01M	10/5008
	H01M	10/501
	H01M	10/5012
	H01M	10/5014
	H01M	10/5016
	H01M	10/5018
	H01M	10/502
	H01M	10/5022
	H01M	10/5024
	H01M	10/5026
	H01M	10/5028
	H01M	10/503
	H01M	10/5032
	H01M	10/5034
	H01M	10/5036
	H01M	10/5038
	H01M	10/504
	H01M	10/5042
	H01M	10/5044
	H01M	10/5046
	H01M	10/5048
	H01M	10/5051
	H01M	10/5053
	H01M	10/5055
	H01M	10/5057
	H01M	10/5059
	H01M	10/5061
	H01M	10/5063
	H01M	10/5065
	H01M	10/5067
	H01M	10/5069
	H01M	10/5071
	H01M	10/5073
	H01M	10/5075
	H01M	10/5077
	H01M	10/5079
	H01M	10/5081

Action*	Subclass	Group(s)
	H01M	10/5083
	H01M	10/5085
	H01M	10/5087
	H01M	10/5089
	H01M	10/5091
	H01M	10/5093
	H01M	10/5095
	H01M	10/5097
Symbols newly created:	H01M	10/60
	H01M	10/61
	H01M	10/613
	H01M	10/615
	H01M	10/617
	H01M	10/62
	H01M	10/623
	H01M	10/6235
	H01M	10/625
	H01M	10/627
	H01M	10/63
	H01M	10/633
	H01M	10/635
	H01M	10/637
	H01M	10/64
	H01M	10/643
	H01M	10/647
	H01M	10/65
	H01M	10/651
	H01M	10/652
	H01M	10/653
	H01M	10/654
	H01M	10/655
	H01M	10/6551
	H01M	10/6552
	H01M	10/6553
	H01M	10/6554
	H01M	10/6555
	H01M	10/6556
	H01M	10/6557
	H01M	10/656
	H01M	10/6561
	H01M	10/6562
	H01M	10/6563
	H01M	10/6564
	H01M	10/6565
	H01M	10/6566
	H01M	10/6567
	H01M	10/6568
	H01M	10/6569

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Action*	Subclass	Group(s)
	H01M	10/657
	H01M	10/6571
	H01M	10/6572
	H01M	10/658
	H01M	10/659
	H01M	10/6595
	H01M	10/66
	H01M	10/663
	H01M	10/667
Title wording change:	H01M	10/42
Scheme Warning Notices to be added/modified/deleted:	H01M	10/5002

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):
B60K, B60L, F28D, G05D, H05K

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

1. CLASSIFICATION SCHEME CHANGES
   ☒ A. New, Modified or Deleted Group(s)

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

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

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

2. DEFINITIONS (New or Modified)
   ☐ A. DEFINITIONS (Full definition template)

   ☒ B. DEFINITIONS (Definitions Quick Fix)

3. ☒ REVISION CONCORDANCE LIST (RCL)

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

5. ☒ CROSS-REFERENCE LIST (CRL)

1.   CLASSIFICATION SCHEME CHANGES

    A.   <u>New, Modified or Deleted Group(s)</u>

SUBCLASS H01M – Processes or means, e.g. batteries for the direct conversion of chemical into electrical energy

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
M	10/42	1	Methods or arrangements for servicing or maintenance of secondary cells or secondary half-cells (H01M 10/60 takes precedence)	
D	10/50	2	Heating or cooling or regulating temperature (control of temperature in general G05D 23/00)	<administrative transfer to H01M10/60>
D	10/5002	3	{Types of temperature regulation}	<administrative transfer to H01M10/61>
D	10/5004	4	{Cooling or keeping cold}	<administrative transfer to H01M10/613>
D	10/5006	4	{Heating or keeping warm}	<administrative transfer to H01M10/615>
D	10/5008	4	{Uniformity or distribution of temperature in space}	<administrative transfer to H01M10/617>
D	10/501	3	{specially adapted for a specific application}	<administrative transfer to H01M10/62>
D	10/5012	4	{Portable devices, e.g. mobiles, cameras, pacemakers}	<administrative transfer to H01M10/623>
D	10/5014	5	{Power tools}	<administrative transfer to H01M10/62325>
D	10/5016	4	{Vehicles}	<administrative transfer to H01M10/625>
D	10/5018	4	{Stationary plants, e.g. power plant buffering, backup power supplies}	<administrative transfer to H01M10/627>
D	10/502	3	{Control systems (measurement of temperature H01M 10/486; charging and discharging in response to temperature H01M 10/443)}	<administrative transfer to H01M10/63>
D	10/5022	4	{characterized by method steps, e.g. algorithms, flow charts, software details}	<administrative transfer to H01M10/633>
D	10/5024	4	{based on ambient temperature}	<administrative transfer to H01M10/635>
D	10/5026	4	{characterised by the use of reversible temperature sensitive devices, e.g. NTC, PTC, bimetal or by control of the internal current flowing through the battery, e.g. by switching	<administrative transfer to H01M10/637>

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
			(H01M 2/34 takes precedence; Temperature sensitive safety devices for primary or secondary batteries H01M 2200/10)}	
D	10/5028	3	{characterized by the shape of the cells}	<administrative transfer to H01M10/64>
D	10/503	4	{Cylindrical}	<administrative transfer to H01M10/643>
D	10/5032	4	{Prismatic or flat, e.g. pouch cells}	<administrative transfer to H01M10/647>
D	10/5034	3	{Means for temperature regulation having parts combined with the battery}	<administrative transfer to H01M10/65>
D	10/5036	4	{characterized by values or quantitative relationships, e.g. ratios, sizes, formulas, concentrations}	<administrative transfer to H01M10/651>
D	10/5038	4	{characterized by gradients (temperature gradients H01M 10/5008)}	<administrative transfer to H01M10/652>
D	10/504	4	{characterized by electrically insulating, thermally conductive materials}	<administrative transfer to H01M10/653>
D	10/5042	4	{inside the innermost case of the battery, e.g. mandrels, electrodes, electrolytes}	<administrative transfer to H01M10/654>
D	10/5044	4	{Solid structures for heat-exchange or conduction}	<administrative transfer to H01M10/655>
D	10/5046	5	{Surfaces specially adapted for heat dissipation or radiation, e.g. fins, coatings}	<administrative transfer to H01M10/6551>
D	10/5048	5	{Closed pipes transferring heat by thermal conductivity and phase transition, e.g. heat pipes}	<administrative transfer to H01M10/6552>
D	10/5051	5	{Terminals or leads}	<administrative transfer to H01M10/6553>
D	10/5053	5	{Solid parts specially adapted for heat conduction other than terminals or leads, e.g. rods, plates}	<administrative transfer to H01M10/6554>
D	10/5055	6	{arranged between the cells}	<administrative transfer to H01M10/6555>
D	10/5057	5	{Solid parts with flow channels or tubes for heat exchange}	<administrative transfer to H01M10/6556>
D	10/5059	6	{arranged between the cells}	<administrative transfer to H01M10/6557>
D	10/5061	4	{Fluids for heat exchange}	<administrative transfer to H01M10/656>
D	10/5063	5	{Gases}	<administrative transfer to H01M10/6561>
D	10/5065	6	{freely flowing by convection only}	<administrative transfer to H01M10/6562>
D	10/5067	6	{forcedly flowing, e.g. by blowers}	<administrative transfer to H01M10/6563>

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	10/5069	7	{Compressed gases}	<administrative transfer to H01M10/6564>
D	10/5071	7	{Recirculation or a U-turn in the flow path, i.e. back and forth (H01M 10/5069 takes precedence)}	<administrative transfer to H01M10/6565>
D	10/5073	6	[Means within the gas flows giving the gas flows around a cell or a battery a certain direction, e.g. manifolds, baffles, obstacles]	<administrative transfer to H01M10/6566>
D	10/5075	5	{Liquids}	<administrative transfer to H01M10/6567>
D	10/5077	6	{characterised by flow circuits external to the battery or the battery pack}	<administrative transfer to H01M10/6568>
D	10/5079	5	{Fluids undergoing a liquid-gas phase change, e.g. evaporation, condensation (heat pipes H01M 10/5048)}	<administrative transfer to H01M10/6569>
D	10/5081	4	{Electric or electromagnetic means (H01M 2/34 takes precedence)}	<administrative transfer to H01M10/657>
D	10/5083	5	{Resistor heaters (arrangements for heating the battery by its resistance to internal current H01M 10/5026)}	<administrative transfer to H01M10/6571>
D	10/5085	5	{Peltier elements or thermo-electric devices}	<administrative transfer to H01M10/672>
D	10/5087	4	administrative transfer {Thermal insulation or shielding}	<administrative transfer to H01M10/658>
D	10/5089	4	{Heat storage or buffering, e.g. heat capacity, liquid-solid phase changes}	<administrative transfer to H01M10/659>
D	10/5091	4	{Chemical reactions other than electrochemical reactions of the battery, e.g. catalytic heaters, burners}	<administrative transfer to H01M10/6595>
D	10/5093	3	{Heat exchange relationships between a battery and another system, e.g. air-conditioners, central heating systems, vehicle engines, electronic components, fuel cells, capacitors}	<administrative transfer to H01M10/66>
D	10/5095	4	{the system being an air-conditioner or an engine}	<administrative transfer to H01M10/663>
D	10/5097	4	{the system being an electronic component, e.g. CPU, inverter, capacitor}	<administrative transfer to H01M10/667>
U	10/54	1	Reclaiming serviceable parts of waste accumulators	
N	10/60	1	Heating or cooling; Temperature control	
N	10/61	2	Types of temperature control	
N	10/613	3	Cooling or keeping cold	
N	10/615	3	Heating or keeping warm	
N	10/617	3	for achieving uniformity or desired	

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
			distribution of temperature	
N	10/62	2	specially adapted for specific applications	
N	10/623	3	Portable devices, e.g. mobile telephones, cameras or pacemakers	
N	10/6235	4	Power tools	
N	10/625	3	Vehicles	
N	10/627	3	Stationary installations, e.g. power plant buffering or backup power supplies	
N	10/63	2	Control systems (measurement of temperature H01M 10/486; charging or discharging in response to temperature H01M 10/443)	
N	10/633	3	characterised by algorithms, flow charts, software details or the like	
N	10/635	3	based on ambient temperature	
N	10/637	3	characterised by the use of reversible temperature-sensitive devices, e.g. NTC, PTC or bimetal devices; characterised by control of the internal current flowing through the cells, e.g. by switching (H01M 2/34 takes precedence)	
N	10/64	2	characterised by the shape of the cells	
N	10/643	3	Cylindrical cells	
N	10/647	3	Prismatic or flat cells, e.g. pouch cells	
N	10/65	2	Means for temperature control structurally associated with the cells	
N	10/651	3	characterised by parameters specified by a numeric value or mathematical formula, e.g. ratios, sizes or concentrations	
N	10/652	4	characterised by gradients (for achieving a desired temperature gradient H01M 10/617)	
N	10/653	3	characterised by electrically insulating or thermally conductive materials	
N	10/654	3	located inside the innermost case of the cells, e.g. mandrels, electrodes or electrolytes	
N	10/655	3	Solid structures for heat exchange or heat conduction	
N	10/6551	4	Surfaces specially adapted for heat dissipation or radiation, e.g. fins or coatings	
N	10/6552	4	Closed pipes transferring heat by thermal conductivity or phase transition, e.g.heat pipes	
N	10/6553	4	Terminals or leads	
N	10/6554	4	Rods or plates	
N	10/6555	5	arranged between the cells	
N	10/6556	4	Solid parts with flow channel passages or	

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
			pipes for heat exchange (closed pipes H01M 10/6552)	
N	10/6557	5	arranged between the cells	
N	10/656	3	characterised by the type of heat-exchange fluid	
N	10/6561	4	Gases	
N	10/6562	5	with free flow by convection only	
N	10/6563	5	with forced flow, e.g. by blowers	
N	10/6564	6	using compressed gas	
N	10/6565	6	with recirculation or U-turn in the flow path, i.e. back and forth	
N	10/6566	5	Means within the gas flow to guide the flow around one or more cells, e.g. manifolds, baffles or other barriers (H01M 10/6565 takes precedence)	
N	10/6567	4	Liquids	
N	10/6568	5	characterised by flow circuits, e.g. loops, located externally to the cells or cell casings	
N	10/6569	4	Fluids undergoing a liquid-gas phase change or transition, e.g. evaporation or condensation (heat pipes H01M 10/6552)	
N	10/657	3	by electric or electromagnetic means	
N	10/6571	4	Resistive heaters (arrangements for heating the battery by its resistance to the internal current H01M 10/637)	
N	10/6572	4	Peltier elements or thermoelectric devices	
N	10/658	3	by thermal insulation or shielding	
N	10/659	3	by heat storage or buffering, e.g. heat capacity or liquid-solid phase changes or transition	
N	10/6595	3	by chemical reactions other than electrochemical reactions of the cells, e.g. catalytic heaters or burners	
N	10/66	2	Heat-exchange relationships between the cells and other systems, e.g. central heating systems or fuel cells	
N	10/663	3	the system being an air-conditioner or an engine	
N	10/667	3	the system being an electronic component, e.g. a CPU, an inverter or a capacitor	

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; E= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting

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reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:
- **No {curly brackets} are used for titles in CPC only <u>subclasses</u>, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} <u>are</u> used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. 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 except "D" which requires only a symbol.
- #"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>" or "<administrative transfer to XX and YY simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be "invention information", unless otherwise indicated, and to 2000 series groups is assumed to be "additional information".

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

SUBCLASS H01M – Processes or means, e.g. batteries for the direct conversion of chemical into electrical energy

Type*	Location	Old Warning notice	New/Modified Warning notice
D	H01M10/5002	WARNING - Groups H01M 10/5002 to H01M 10/5097 are not complete, pending reclassification. See also H01M 10/50, H01M 10/50B, H01M 2200/10-H01M 2200/108	

*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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2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H01M10/00	Relationship between large subject areas	H01M 10/50-H01M 10/5097	H01M 10/60-H01M 10/667

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

3.   REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	H01M10/50	\<administrative transfer to H01M10/60\>
D	H01M10/5002	\<administrative transfer to H01M10/61\>
D	H01M10/5004	\<administrative transfer to H01M10/613\>
D	H01M10/5006	\<administrative transfer to H01M10/615\>
D	H01M10/5008	\<administrative transfer to H01M10/617\>
D	H01M10/501	\<administrative transfer to H01M10/62\>
D	H01M10/5012	\<administrative transfer to H01M10/623\>
D	H01M10/5014	\<administrative transfer to H01M10/6235\>
D	H01M10/5016	\<administrative transfer to H01M10/625\>
D	H01M10/5018	\<administrative transfer to H01M10/627\>
D	H01M10/502	\<administrative transfer to H01M10/63\>
D	H01M10/5022	\<administrative transfer to H01M10/633\>
D	H01M10/5024	\<administrative transfer to H01M10/635\>
D	H01M10/5026	\<administrative transfer to H01M10/637\>
D	H01M10/5028	\<administrative transfer to H01M10/64\>
D	H01M10/503	\<administrative transfer to H01M10/643\>
D	H01M10/5032	\<administrative transfer to H01M10/647\>
D	H01M10/5034	\<administrative transfer to H01M10/65\>
D	H01M10/5036	\<administrative transfer to H01M10/651\>
D	H01M10/5038	\<administrative transfer to H01M10/652\>
D	H01M10/504	\<administrative transfer to H01M10/653\>

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	H01M10/5042	<administrative transfer to H01M10/654>
D	H01M10/5044	<administrative transfer to H01M10/655>
D	H01M10/5046	<administrative transfer to H01M10/6551>
D	H01M10/5048	<administrative transfer to H01M10/6552>
D	H01M10/5051	<administrative transfer to H01M10/6553>
D	H01M10/5053	<administrative transfer to H01M10/6554>
D	H01M10/5055	<administrative transfer to H01M10/6555>
D	H01M10/5057	<administrative transfer to H01M10/6556>
D	H01M10/5059	<administrative transfer to H01M10/6557>
D	H01M10/5061	<administrative transfer to H01M10/656>
D	H01M10/5063	<administrative transfer to H01M10/6561>
D	H01M10/5065	<administrative transfer to H01M10/6562>
D	H01M10/5067	<administrative transfer to H01M10/6563>
D	H01M10/5069	<administrative transfer to H01M10/6564>
D	H01M10/5071	<administrative transfer to H01M10/6565>
D	H01M10/5073	<administrative transfer to H01M10/6566>
D	H01M10/5075	<administrative transfer to H01M10/6567>
D	H01M10/5077	<administrative transfer to H01M10/6568>
D	H01M10/5079	<administrative transfer to H01M10/6569>
D	H01M10/5081	<administrative transfer to H01M10/657>
D	H01M10/5083	<administrative transfer to H01M10/6571>
D	H01M10/5085	<administrative transfer to H01M10/6572>
D	H01M10/5087	<administrative transfer to H01M10/658>
D	H01M10/5089	<administrative transfer to H01M10/659>
D	H01M10/5091	<administrative transfer to H01M10/6595>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	H01M10/5093	<administrative transfer to H01M10/66>
D	H01M10/5095	<administrative transfer to H01M10/663>
D	H01M10/5097	<administrative transfer to H01M10/667>

* 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.

NOTES:
- Only C, D, and Q type entries are included in the table above.
- When multiple symbols are included in the "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>" or "<administrative transfer to XX and YY simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be "invention information", unless otherwise indicated, and to 2000 series groups is assumed to be "additional information".

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

CPC	**IPC**	**Action***
H01M 10/50		Delete
H01M 10/5002		Delete
H01M 10/5004		Delete
H01M 10/5006		Delete
H01M 10/5008		Delete
H01M 10/501		Delete
H01M 10/5012		Delete
H01M 10/5014		Delete
H01M 10/5016		Delete
H01M 10/5018		Delete
H01M 10/502		Delete
H01M 10/5022		Delete
H01M 10/5024		Delete
H01M 10/5026		Delete
H01M 10/5028		Delete
H01M 10/503		Delete
H01M 10/5032		Delete
H01M 10/5034		Delete
H01M 10/5036		Delete
H01M 10/5038		Delete
H01M 10/504		Delete
H01M 10/5042		Delete
H01M 10/5044		Delete
H01M 10/5046		Delete
H01M 10/5048		Delete
H01M 10/5051		Delete
H01M 10/5053		Delete
H01M 10/5055		Delete
H01M 10/5057		Delete
H01M 10/5059		Delete
H01M 10/5061		Delete
H01M 10/5063		Delete
H01M 10/5065		Delete
H01M 10/5067		Delete
H01M 10/5069		Delete
H01M 10/5071		Delete
H01M 10/5073		Delete
H01M 10/5075		Delete
H01M 10/5077		Delete
H01M 10/5079		Delete
H01M 10/5081		Delete
H01M 10/5083		Delete

CPC	IPC	Action*
H01M 10/5085		Delete
H01M 10/5087		Delete
H01M 10/5089		Delete
H01M 10/5091		Delete
H01M 10/5093		Delete
H01M 10/5095		Delete
H01M 10/5097		Delete
H01M 10/60	H01M 10/60	New
H01M 10/61	H01M 10/61	New
H01M 10/613	H01M 10/613	New
H01M 10/615	H01M 10/615	New
H01M 10/617	H01M 10/617	New
H01M 10/62	H01M 10/62	New
H01M 10/623	H01M 10/623	New
H01M 10/6235	H01M 10/6235	New
H01M 10/625	H01M 10/625	New
H01M 10/627	H01M 10/627	New
H01M 10/63	H01M 10/63	New
H01M 10/633	H01M 10/633	New
H01M 10/635	H01M 10/635	New
H01M 10/637	H01M 10/637	New
H01M 10/64	H01M 10/64	New
H01M 10/643	H01M 10/643	New
H01M 10/647	H01M 10/647	New
H01M 10/65	H01M 10/65	New
H01M 10/651	H01M 10/651	New
H01M 10/652	H01M 10/652	New
H01M 10/653	H01M 10/653	New
H01M 10/654	H01M 10/654	New
H01M 10/655	H01M 10/655	New
H01M 10/6551	H01M 10/6551	New
H01M 10/6552	H01M 10/6552	New
H01M 10/6553	H01M 10/6553	New
H01M 10/6554	H01M 10/6554	New
H01M 10/6555	H01M 10/6555	New
H01M 10/6556	H01M 10/6556	New
H01M 10/6557	H01M 10/6557	New
H01M 10/656	H01M 10/656	New
H01M 10/6561	H01M 10/6561	New
H01M 10/6562	H01M 10/6562	New
H01M 10/6563	H01M 10/6563	New
H01M 10/6564	H01M 10/6564	New
H01M 10/6565	H01M 10/6565	New
H01M 10/6566	H01M 10/6566	New

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CPC	IPC	Action*
H01M 10/6567	H01M 10/6567	New
H01M 10/6568	H01M 10/6568	New
H01M 10/6569	H01M 10/6569	New
H01M 10/657	H01M 10/657	New
H01M 10/6571	H01M 10/6571	New
H01M 10/6572	H01M 10/6572	New
H01M 10/658	H01M 10/658	New
H01M 10/659	H01M 10/659	New
H01M 10/6595	H01M 10/6595	New
H01M 10/66	H01M 10/66	New
H01M 10/663	H01M 10/663	New
H01M 10/667	H01M 10/667	New

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

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

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5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

Location of reference to be changed	Referenced subclass or group to be changed	Action; New reference symbol; New text
G05D ("Note" under subclass title and under the heading "Places related to G05D 22/00")	H01M 10/50 Electric storage cells	H01M 10/60 Electric storage cells

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
B60K1/04	H01M10/50	References relevant to classification in this subclass	H01M10/60
B60K1/04	H01M10/5016	References relevant to classification in this subclass	H01M10/625
B60L1/02	H01M10/50	Informative references	H01M10/60
F28D	H01M10/50	References relevant to classification in this subclass	H01M10/60
F28D15/00	H01M10/50	Informative references	H01M10/60
G05D23/00	H01M10/50	References relevant to classification in this subclass	H01M10/60
H01M 10/00	H01M 10/50	Relationship between large subject matter areas	H01M 10/60
H05K7/00	H01M10/50	References relevant to classification in this subclass	H01M10/60

NOTES:

- The CRL tables above are used for changes to locations **outside** 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," **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.