

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 966

DATE: JANUARY 1, 2021

PROJECT RP0690

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	C25B	1/003, 1/006, 1/06, 1/08, 1/10, 1/12, 1/285, 1/38, 1/40
	C25B	3/02, 3/04, 3/06, 3/08, 3/10, 3/105, 3/12
	C25B	9/02, 9/04, 9/045, 9/06, 9/063, 9/066, 9/08, 9/10, 9/12, 9/125, 9/14, 9/142, 9/144, 9/146, 9/148, 9/16, 9/162, 9/164, 9/166, 9/168, 9/18, 9/20, 9/203, 9/206
	C25B	11/035, 11/0405, 11/041, 11/0415, 11/0421, 11/0426, 11/0431, 11/0436, 11/0442, 11/0447, 11/0452, 11/0457, 11/0463, 11/0468, 11/0473, 11/0478, 11/0484, 11/0489, 11/0494, 11/12, 11/14, 11/16, 11/18
Symbols New:	C25B	1/01, 1/042, 1/044, 1/135, 1/23, 1/27, 1/29, 1/33, 1/50, 1/55
	C25B	3/01, 3/03, 3/05, 3/07, 3/09, 3/11, 3/13, 3/20, 3/21, 3/23, 3/25, 3/26, 3/27, 3/28, 3/29, 3/295
	C25B	9/01, 9/015, 9/05, 9/07, 9/09, 9/13, 9/15, 9/17, 9/19, 9/21, 9/23, 9/30, 9/303, 9/305, 9/40, 9/43, 9/47, 9/50, 9/60, 9/63, 9/65, 9/66, 9/67, 9/70, 9/73, 9/75, 9/77
	C25B	11/031, 11/032, 11/033, 11/034, 11/036, 11/037, 11/042, 11/043, 11/044, 11/045, 11/046, 11/047, 11/048, 11/049, 11/051, 11/052, 11/053, 11/054, 11/055, 11/056, 11/057, 11/059, 11/061, 11/063, 11/065, 11/067, 11/069, 11/071, 11/073, 11/075, 11/077, 11/0771, 11/0773, 11/0775, 11/079, 11/081, 11/083, 11/085, 11/087, 11/089, 11/091, 11/093, 11/095, 11/097
	C25B	13/05, 13/07
	C25B	15/021, 15/023, 15/025, 15/027, 15/029, 15/031, 15/033, 15/081, 15/083, 15/085, 15/087
Titles Changed:	C25B	1/02, 1/13, 1/14, 1/16, 1/18, 1/21, 1/22, 1/24, 1/245, 1/26, 1/28, 1/34
	C25B	5/00
	C25B	7/00
	C25B	9/00
	C25B	13/02
	C25B	15/00, 15/02, 15/04
Indents Changed:	C25B	1/02, 1/04, 1/13, 1/14, 1/16, 1/18, 1/20, 1/21, 1/22, 1/24, 1/245, 1/26, 1/265, 1/28, 1/30, 1/32, 1/34, 1/36, 1/42, 1/44, 1/46
	C25B	13/06

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Warnings Deleted:	C25B	Subclass
Warnings New:	C25B	1/00, 1/01, 1/04, 1/042, 1/044, 1/135, 1/16, 1/23, 1/26, 1/27, 1/34, 1/50
	C25B	3/00, 3/01, 3/20, 3/21, 3/23, 3/25, 3/26, 3/27, 3/28, 3/29, 3/295
	C25B	9/00, 9/005, 9/01, 9/05, 9/07, 9/09, 9/13, 9/17, 9/19, 9/21, 9/23, 9/30, 9/40, 9/43, 9/47, 9/50, 9/60, 9/67, 9/70, 9/73, 9/75, 9/77
	C25B	11/00, 11/02, 11/031, 11/032, 11/033, 11/034, 11/037, 11/04, 11/042, 11/043, 11/044, 11/046, 11/047, 11/048, 11/049, 11/051, 11/052, 11/054, 11/055, 11/056, 11/057, 11/061, 11/063, 11/065, 11/067, 11/069, 11/073, 11/075, 11/077, 11/079, 11/083, 11/085, 11/087, 11/089, 11/097
	C25B	13/04, 13/05, 13/07
	C25B	15/02, 15/021, 15/023, 15/08, 15/081, 15/083, 15/085, 15/087
Notes Modified:	C25B	Subclass
DEFINITIONS:		
Definitions Deleted:	C25B	1/003, 1/10, 1/12
	C25B	9/04, 9/06, 9/063, 9/10, 9/12, 9/16, 9/162, 9/166, 9/18, 9/20, 9/203
	C25B	11/035, 11/0405, 11/12, 11/16, 11/18
Definitions New:	C25B	1/55
	C25B	9/05, 9/17, 9/23, 9/30, 9/40, 9/43, 9/47, 9/65, 9/73, 9/75, 9/77
	C25B	11/032, 11/043, 11/051
Definitions Modified:	C25B	Subclass
	C25B	1/00, 1/02, 1/04, 1/13, 1/24, 1/28
	C25B	3/00
	C25B	5/00
	C25B	7/00
	C25B	9/00
	C25B	11/00
	C25B	13/00, 13/04, 13/08
	C25B	15/00

The following subclasses/groups are also impacted by this Notice of Changes: C04B, C07C

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

1. CLASSIFICATION SCHEME CHANGES

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

2. DEFINITIONS

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

- 3. REVISION CONCORDANCE LIST (RCL)
- 4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
- 5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS C25B - ELECTROLYTIC OR ELECTROPHORETIC PROCESSES FOR THE PRODUCTION OF COMPOUNDS OR NON-METALS; APPARATUS THEREFOR (anodic or cathodic protection C23F 13/00; single-crystal growth C30B)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
C	C25B 1/00	0	Electrolytic production of inorganic compounds or non-metals	C25B 1/00, C25B 1/01, C25B 1/135, C25B 1/23, C25B 1/27, C25B 1/50
D	C25B 1/003	1	{by photo-electrolysis with or without external current source}	<administrative transfer to C25B 1/55>
D	C25B 1/006	1	{of silicon}	<administrative transfer to C25B 1/33>
N	C25B 1/01	1	Products	
M	C25B 1/02	2	Hydrogen or oxygen	
C	C25B 1/04	3	by electrolysis of water	C25B 1/04, C25B 1/042, C25B 1/044, C25B 11/00, C25B 11/02
N	C25B 1/042	4	of steam	
N	C25B 1/044	4	of mixed hydrogen and oxygen gas, e.g. Brown's gas [HHO]	
D	C25B 1/06	3	in cells with flat or platelike electrodes	<administrative transfer to C25B 1/04 and C25B 11/00 simultaneously>
D	C25B 1/08	4	of the filter-press type	<administrative transfer to C25B 1/04 and C25B 9/73 simultaneously>
D	C25B 1/10	3	in diaphragm cells	<administrative transfer to C25B 1/04 and C25B 9/73 simultaneously>
D	C25B 1/12	3	in pressure cells	<administrative transfer to C25B 1/04 and C25B 9/05 simultaneously>

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M	C25B 1/13	2	Ozone	
N	C25B 1/135	2	Carbon	
M	C25B 1/14	2	Alkali metal compounds	
C	C25B 1/16	3	Hydroxides (by simultaneous production of alkali metal hydroxides and chlorine, oxyacids or salts of chlorine C25B 1/34)	C25B 1/16, C25B 1/34
M	C25B 1/18	2	Alkaline earth metal compounds or magnesium compounds	
M	C25B 1/20	3	Hydroxides	
M	C25B 1/21	2	Manganese oxides	
M	C25B 1/22	2	Inorganic acids	
N	C25B 1/23	2	Carbon monoxide or syngas	
M	C25B 1/24	2	Halogens or compounds thereof	
M	C25B 1/245	3	Fluorine; Compounds thereof	
C	C25B 1/26	3	Chlorine; Compounds thereof (by simultaneous production of alkali metal hydroxides and chlorine, oxyacids or salts of chlorine C25B 1/34)	C25B 1/26, C25B 1/34
M	C25B 1/265	4	{Chlorates}	
N	C25B 1/27	2	Ammonia	
M	C25B 1/28	2	Per-compounds	
D	C25B 1/285	2	{Persulfates}	<administrative transfer to C25B 1/29>
N	C25B 1/29	3	Persulfates	
M	C25B 1/30	3	Peroxides	
M	C25B 1/32	3	Perborates	
N	C25B 1/33	2	Silicon	
T	C25B 1/34	2	Simultaneous production of alkali metal hydroxides and chlorine, oxyacids or salts of chlorine, e.g. by chlor-alkali electrolysis	
T	C25B 1/36	3	in mercury cathode cells	
D	C25B 1/38	3	with vertical mercury cathode	<administrative transfer to C25B 1/36>
D	C25B 1/40	3	with horizontal mercury cathode	<administrative transfer to C25B 1/36>
M	C25B 1/42	4	Decomposition of amalgams	
M	C25B 1/44	5	with the aid of catalysts	
M	C25B 1/46	3	in diaphragm cells	
N	C25B 1/50	1	Processes	
N	C25B 1/55	2	Photoelectrolysis	
C	C25B 3/00	0	Electrolytic production of organic compounds	C25B 3/00, C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, C25B 3/20, C25B 3/21,

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				C25B 3/23, C25B 3/25, C25B 3/26
N	C25B 3/01	1	Products	
D	C25B 3/02	1	by oxidation	<administrative transfer to C25B 3/23>
N	C25B 3/03	2	Acyclic or carbocyclic hydrocarbons	
D	C25B 3/04	1	by reduction	<administrative transfer to C25B 3/25>
N	C25B 3/05	2	Heterocyclic compounds	
D	C25B 3/06	1	by halogenation	<administrative transfer to C25B 3/27>
N	C25B 3/07	2	Oxygen containing compounds	
N	C25B 3/09	2	Nitrogen containing compounds	
D	C25B 3/08	2	by fluorination	<administrative transfer to C25B 3/28>
D	C25B 3/10	1	by coupling reactions, e.g. dimerisation	<administrative transfer to C25B 3/29>
D	C25B 3/105	2	{hydrodimerisation}	<administrative transfer to C25B 3/295>
N	C25B 3/11	2	Halogen containing compounds	
D	C25B 3/12	1	of organo-metallic compounds	<administrative transfer to C25B 3/13>
N	C25B 3/13	2	Organo-metallic compounds	
N	C25B 3/20	1	Processes	
N	C25B 3/21	2	Photoelectrolysis	
Q	C25B 3/23	2	Oxidation (halogenation C25B 3/27)	C25B 3/23, C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, C25B 3/21, C25B 3/27, C25B 3/28
Q	C25B 3/25	2	Reduction	C25B 3/25, C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, C25B 3/21, C25B 3/26
N	C25B 3/26	3	of carbon dioxide	
Q	C25B 3/27	2	Halogenation	C25B 3/27, C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, C25B 3/21
Q	C25B 3/28	3	Fluorination	C25B 3/28, C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09,

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				C25B 3/11, C25B 3/13, C25B 3/21
Q	C25B 3/29	2	Coupling reactions	C25B 3/29, C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, C25B 3/21
Q	C25B 3/295	3	{hydrodimerisation}	C25B 3/295, C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, C25B 3/21
M	C25B 5/00	0	Electrogenative processes, i.e. processes for producing compounds in which electricity is generated simultaneously	
M	C25B 7/00	0	Electrophoretic production of compounds or non-metals (separation or purification of peptides, e.g. of proteins, by electrophoresis C07K 1/26)	
C	C25B 9/00	0	Cells or assemblies of cells; Constructional parts of cells; Assemblies of constructional parts, e.g. electrode-diaphragm assemblies; Process-related cell features	C25B 9/00, C25B 9/01, C25B 9/015, C25B 9/05, C25B 9/07, C25B 9/09, C25B 9/13, C25B 9/15, C25B 9/17, C25B 9/23, C25B 9/40, C25B 9/50, C25B 9/60, C25B 9/67
U	C25B 9/005	1	{Amalgam decomposition cells}	
N	C25B 9/01	1	Electrolytic cells characterised by shape or form	
N	C25B 9/015	2	Cylindrical cells	
D	C25B 9/02	1	Holders for electrodes	<administrative transfer to C25B 9/63>
D	C25B 9/04	1	Devices for current supply (electrical connections in general H01R); Electrode connections; Electric inter-cell connections	<administrative transfer to C25B 9/65>
D	C25B 9/045	2	{Electric inter-cell connections including jumper switches}	<administrative transfer to C25B 9/66>
N	C25B 9/05	1	Pressure cells	
D	C25B 9/06	1	Cells comprising dimensionally-stable non-movable electrodes; Assemblies of constructional parts thereof	<administrative transfer to C25B 9/17>
D	C25B 9/063	2	{including bipolar electrodes}	<administrative transfer to C25B 11/036>

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D	C25B 9/066	3	{and diaphragms}	<administrative transfer to C25B 9/19>
N	C25B 9/07	1	Common duct cells	
D	C25B 9/08	2	with diaphragms	<administrative transfer to C25B 9/19>
N	C25B 9/09	1	Fused bath cells	
D	C25B 9/10	3	including an ion-exchange membrane in or on which electrode material is embedded	<administrative transfer to C25B 9/23>
D	C25B 9/12	1	Cells or assemblies of cells comprising at least one movable electrode, e.g. rotary electrodes; Assemblies of constructional parts thereof	<administrative transfer to C25B 9/30 and C25B 11/02 simultaneously>
D	C25B 9/125	2	{Rotary electrodes}	<administrative transfer to C25B 9/30 and C25B 11/034 simultaneously>
N	C25B 9/13	1	Single electrolytic cells with circulation of an electrolyte	
D	C25B 9/14	2	Liquid electrodes, e.g. mercury electrodes	<administrative transfer to C25B 11/033>
D	C25B 9/142	3	{of the horizontal type}	<administrative transfer to C25B 9/303 and C25B 9/70 and C25B 11/033 simultaneously>
D	C25B 9/144	4	{Grouping of such cells into batteries}	<administrative transfer to C25B 9/303 and C25B 9/70 and C25B 11/033 simultaneously>
D	C25B 9/146	3	{of the vertical type}	<administrative transfer to C25B 9/305 and C25B 9/70 and C25B 11/033 simultaneously>
D	C25B 9/148	4	{Grouping of such cells into batteries}	<administrative transfer to C25B 9/305 and C25B 9/70 and C25B 11/033 simultaneously>
N	C25B 9/15	2	Flow-through cells	
D	C25B 9/16	1	Cells or assemblies of cells comprising at least one electrode made of particles; Assemblies of constructional parts thereof	< administrative transfer to C25B 9/40>
D	C25B 9/162	2	{comprising fluidised bed electrodes}	< administrative transfer to C25B 9/40>

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D	C25B 9/164	3	{Grouping of such cells into batteries}	<administrative transfer to C25B 9/70 and C25B 9/40 simultaneously>
D	C25B 9/166	2	{comprising static bed electrodes}	< administrative transfer to C25B 9/40>
D	C25B 9/168	3	{Grouping of such cells into batteries}	<administrative transfer to C25B 9/70 and C25B 9/40 simultaneously>
N	C25B 9/17	1	Cells comprising dimensionally-stable non-movable electrodes; Assemblies of constructional parts thereof	
D	C25B 9/18	1	Assemblies comprising a plurality of cells ({C25B9/005 takes precedence}; assemblies of cells with movable electrodes C25B 9/12; assemblies of cells with electrodes made of particles C25B 9/16)	<administrative transfer to C25B 9/70>
Q	C25B 9/19	2	with diaphragms	C25B 9/19, C25B 9/21
D	C25B 9/20	2	of the filter-press type	<administrative transfer to C25B 9/73>
D	C25B 9/203	3	{with bipolar electrodes}	<administrative transfer to C25B 9/75 and C25B 11/036 simultaneously>
D	C25B 9/206	4	{with diaphragms}	<administrative transfer to C25B 9/77>
N	C25B 9/21	3	two or more diaphragms	
N	C25B 9/23	3	comprising ion-exchange membranes in or on which electrode material is embedded	
Q	C25B 9/30	1	Cells comprising movable electrodes, e.g. rotary electrodes; Assemblies of constructional parts thereof	C25B 9/30, C25B 11/00, C25B 11/02, C25B 11/033, C25B 11/034
N	C25B 9/303	2	{comprising horizontal-type liquid electrode}	
N	C25B 9/305	2	{comprising vertical-type liquid electrode}	
Q	C25B 9/40	1	Cells or assemblies of cells comprising electrodes made of particles; Assemblies of constructional parts thereof	C25B 9/40, C25B 9/43, C25B 9/47, C25B 11/02, C25B 11/037
N	C25B 9/43	2	{comprising fluidised bed electrodes}	
N	C25B 9/47	2	{comprising static bed electrodes}	
N	C25B 9/50	1	Cells or assemblies of cells comprising photoelectrodes; Assemblies of constructional parts thereof	

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N	C25B 9/60	1	Constructional parts of cells	
N	C25B 9/63	2	Holders for electrodes; Positioning of the electrodes	
N	C25B 9/65	2	Means for supplying current; Electrode connections; Electric inter-cell connections	
N	C25B 9/66	3	{Electric inter-cell connections including jumper switches}	
N	C25B 9/67	2	Heating or cooling means	
Q	C25B 9/70	1	Assemblies comprising two or more cells	C25B 1/04, C25B 9/005, C25B 9/05, C25B 9/70, C25B 11/00, C25B 11/02
Q	C25B 9/73	2	of the filter-press type	C25B 1/04, C25B 9/73, C25B 9/75, C25B 9/77
N	C25B 9/75	3	having bipolar electrodes	
N	C25B 9/77	3	having diaphragms	
U	C25B 11/02	1	characterised by shape or form	
U	C25B 11/03	2	perforated or foraminous	
Q	C25B 11/031	3	Porous electrodes	C25B 11/031, C25B 11/032
N	C25B 11/032	4	Gas diffusion electrodes	
N	C25B 11/033	2	Liquid electrodes	
N	C25B 11/034	2	Rotary electrodes	
D	C25B 11/035	3	{Porous electrodes}	<administrative transfer to C25B 11/031>
N	C25B 11/036	2	Bipolar electrodes	
N	C25B 11/037	2	Electrodes made of particles	
C	C25B 11/04	1	characterised by the material	C25B 11/04, C25B 11/042, C25B 11/046, C25B 11/047, C25B 11/048, C25B 11/049
D	C25B 11/0405	2	{of electrodes having a substrate and a coating}	<administrative transfer to C25B 11/051>
D	C25B 11/041	2	{characterised by the material of the substrate}	<administrative transfer to C25B 11/055>
D	C25B 11/0415	3	{consisting of one single element or compound}	<administrative transfer to C25B 11/057>
N	C25B 11/042	2	Electrodes formed of a single material	
D	C25B 11/0421	4	{Silicon}	<administrative transfer to C25B 11/059>
D	C25B 11/0426	3	{consisting of plurality elements or compounds}	<administrative transfer to C25B 11/069>

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Q	C25B 11/043	3	Carbon, e.g. diamond or graphene	C25B 11/043, C25B 11/044
D	C25B 11/0431	4	{Metal alloys}	<administrative transfer to C25B 11/061>
D	C25B 11/0436	4	{comprising metal powder and a non-metallic binder}	<administrative transfer to C25B 11/071>
N	C25B 11/044	4	Impregnation of carbon	
D	C25B 11/0442	2	{characterised by the material of the coating}	<administrative transfer to C25B 11/073>
D	C25B 11/0447	3	{Coatings consisting of a single component}	<administrative transfer to C25B 11/075>
N	C25B 11/045	3	Mercury or amalgam	
D	C25B 11/0452	4	{Non-noble metal oxides}	<administrative transfer to C25B 11/077>
D	C25B 11/0457	5	{of the spinel type}	<administrative transfer to C25B 11/0771>
N	C25B 11/046	3	Alloys	
D	C25B 11/0463	5	{of the perovskite type}	<administrative transfer to C25B 11/0773>
D	C25B 11/0468	5	{of the rutile type}	<administrative transfer to C25B 11/0775>
N	C25B 11/047	3	Ceramics	
D	C25B 11/0473	4	{Noble metals}	<administrative transfer to C25B 11/081>
D	C25B 11/0478	3	{Coatings consisting of two or more components}	<administrative transfer to C25B 11/091>
N	C25B 11/048	3	Organic compounds	
D	C25B 11/0484	4	{comprising at least a noble metal or noble metal oxide and a non-noble metal oxide}	<administrative transfer to C25B 11/093>
D	C25B 11/0489	4	{at least one of the components being an organic compound}	<administrative transfer to C25B 11/095>
N	C25B 11/049	3	Photocatalysts	
D	C25B 11/0494	4	{comprising two or more noble metals or noble metal alloys}	<administrative transfer to C25B 11/097>
Q	C25B 11/051	2	Electrodes formed of electrocatalysts on a substrate or carrier	C25B 11/051, C25B 11/052, C25B 11/053, C25B 11/054, C25B 11/055, C25B 11/056, C25B 11/057, C25B 11/065, C25B 11/067, C25B 11/069, C25B 11/073, C25B 11/075,

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				C25B 11/077, C25B 11/079, C25B 11/083, C25B 11/085, C25B 11/087, C25B 11/089, C25B 11/097
N	C25B 11/052	3	Electrodes comprising one or more electrocatalytic coatings on a substrate	
N	C25B 11/053	4	characterised by multilayer electrocatalytic coatings	
N	C25B 11/054	3	Electrodes comprising electrocatalysts supported on a carrier	
N	C25B 11/055	3	characterised by the substrate or carrier material	
N	C25B 11/056	4	consisting of textile or non-woven fabric	
N	C25B 11/057	4	consisting of a single element or compound	
N	C25B 11/059	5	Silicon	
Q	C25B 11/061	5	Metal or alloy	C25B 11/061, C25B 11/063
N	C25B 11/063	6	Valve metal, e.g. titanium	
N	C25B 11/065	5	Carbon	
N	C25B 11/067	5	Inorganic compound e.g. ITO, silica or titania	
N	C25B 11/069	4	consisting of at least one single element and at least one compound; consisting of two or more compounds	
N	C25B 11/071	5	comprising metal or alloy powder and non-metallic binders	
N	C25B 11/073	3	characterised by the electrocatalyst material	
N	C25B 11/075	4	consisting of a single catalytic element or catalytic compound	
N	C25B 11/077	5	the compound being a non-noble metal oxide	
N	C25B 11/0771	6	{of the spinel type}	
N	C25B 11/0773	6	{of the perovskite type}	
N	C25B 11/0775	6	{of the rutile type}	
N	C25B 11/079	6	Manganese dioxide; Lead dioxide	
N	C25B 11/081	5	the element being a noble metal	
N	C25B 11/083	5	Diamond	
N	C25B 11/085	5	Organic compound	
N	C25B 11/087	5	Photocatalytic compound	
N	C25B 11/089	5	Alloys	
N	C25B 11/091	4	consisting of at least one catalytic element and at least one catalytic compound; consisting of two or more catalytic elements or catalytic compounds	

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N	C25B 11/093	5	at least one noble metal or noble metal oxide and at least one non-noble metal oxide	
N	C25B 11/095	5	at least one of the compounds being organic	
N	C25B 11/097	5	comprising two or more noble metals or noble metal alloys	
D	C25B 11/12	2	Electrodes based on carbon (carbon masses in general C04B 35/52) {(C25B 11/0405 takes precedence)}	<administrative transfer to C25B 11/043>
D	C25B 11/14	3	Impregnation of carbon electrodes {(C25B11/0405 takes precedence)}	<administrative transfer to C25B 11/044>
D	C25B 11/16	2	Electrodes based on manganese dioxide or lead dioxide {(C25B11/0405 takes precedence)}	<administrative transfer to C25B 11/04 and C25B 11/054 simultaneously>
D	C25B 11/18	2	Mercury or amalgam electrodes {(C25B11/0405 takes precedence)}	<administrative transfer to C25B 11/045>
U	C25B 13/00	0	Diaphragms; Spacing elements	
M	C25B 13/02	1	characterised by shape or form	
C	C25B 13/04	1	characterised by the material	C25B 13/04, C25B 13/05, C25B 13/07
N	C25B 13/05	2	based on inorganic materials	
M	C25B 13/06	3	based on asbestos	
N	C25B 13/07	3	based on ceramics	
M	C25B 15/00	0	Operating or servicing cells	
C	C25B 15/02	1	Process control or regulation	C25B 15/02, C25B 15/021, C25B 15/023, C25B 15/025, C25B 15/027, C25B 15/029, C25B 15/031, C25B 15/033
N	C25B 15/021	2	of heating or cooling	
N	C25B 15/023	2	Measuring, analysing or testing during electrolytic production	
N	C25B 15/025	3	of electrolyte parameters	
N	C25B 15/027	4	Temperature	
N	C25B 15/029	4	Concentration	
N	C25B 15/031	5	pH	
N	C25B 15/033	4	Conductivity	
M	C25B 15/04	1	Regulation of the inter-electrode distance	

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
C	C25B 15/08	1	Supplying or removing reactants or electrolytes; Regeneration of electrolytes	C25B 15/08, C25B 15/081, C25B 15/083, C25B 15/085, C25B 15/087
N	C25B 15/081	2	{Supplying products to non-electrochemical reactors that are combined with the electrochemical cell, e.g. Sabatier reactor}	
N	C25B 15/083	2	{Separating products}	
N	C25B 15/085	2	{Removing impurities}	
N	C25B 15/087	2	{Recycling of electrolyte to electrochemical cell}	

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

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B. New, Modified or Deleted Warning(s)**SUBCLASS C25B - ELECTROLYTIC OR ELECTROPHORETIC PROCESSES FOR THE PRODUCTION OF COMPOUNDS OR NON-METALS; APPARATUS THEREFOR (anodic or cathodic protection C23F 13/00; single-crystal growth C30B)**

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
D	C25B	<p>1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:</p> <p>C25B11/06 covered by C25B 11/0442 C25B11/08 covered by C25B 11/0473 C25B11/10 covered by C25B 11/0442</p> <p>2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.</p>	<u>Delete</u> the <u>entire</u> existing Warning.
N	C25B 1/00		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 1/00 is impacted by reclassification into groups C25B 1/01, C25B 1/135, C25B 1/23, C25B 1/27, and C25B 1/50. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 1/01		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 1/01 is incomplete pending reclassification of documents from group C25B 1/00. Groups C25B 1/00 and C25B 1/01 should be considered in order to perform a complete search.</p>
N	C25B 1/04		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 1/04 is incomplete pending reclassification of documents from groups C25B 9/70 and C25B 9/73. Group C25B 1/04 is also impacted by reclassification into groups C25B 1/042, C25B 1/044, C25B 11/00, and C25B 11/02. All groups listed in this Warning should be considered in order to perform a complete search.</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C25B 1/042		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 1/042 is incomplete pending reclassification of documents from group C25B 1/04. Groups C25B 1/04 and C25B 1/042 should be considered in order to perform a complete search.</p>
N	C25B 1/044		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 1/044 is incomplete pending reclassification of documents from group C25B 1/04. Groups C25B 1/04 and C25B 1/044 should be considered in order to perform a complete search.</p>
N	C25B 1/135		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 1/135 is incomplete pending reclassification of documents from group C25B 1/00. Groups C25B 1/00 and C25B 1/135 should be considered in order to perform a complete search.</p>
N	C25B 1/16		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 1/16 is impacted by reclassification into group C25B 1/34. Groups C25B 1/16 and C25B 1/34 should be considered in order to perform a complete search.</p>
N	C25B 1/23		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 1/23 is incomplete pending reclassification of documents from group C25B 1/00. Groups C25B 1/00 and C25B 1/23 should be considered in order to perform a complete search.</p>
N	C25B 1/26		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 1/26 is impacted by reclassification into group C25B 1/34. Groups C25B 1/26 and C25B 1/34 should be considered in order to perform a complete search.</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C25B 1/27		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 1/27 is incomplete pending reclassification of documents from group C25B 1/00. Groups C25B 1/00 and C25B 1/27 should be considered in order to perform a complete search.</p>
N	C25B 1/34		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 1/34 is incomplete pending reclassification of documents from groups C25B 1/16 and C25B 1/26. Groups C25B 1/16, C25B 1/26, and C25B 1/34 should be considered in order to perform a complete search.</p>
N	C25B 1/50		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 1/50 is incomplete pending reclassification of documents from group C25B 1/00. Groups C25B 1/00 and C25B 1/50 should be considered in order to perform a complete search.</p>
N	C25B 3/00		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 3/00 is impacted by reclassification into groups C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, C25B 3/20, C25B 3/21, C25B 3/23, C25B 3/25, and C25B 3/26. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 3/01		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Groups C25B 3/01 - C25B 3/13 are incomplete pending reclassification of documents from groups C25B 3/00, C25B 3/23, C25B 3/25, C25B 3/27, C25B 3/28, C25B 3/29, and C25B 3/295. All groups listed in this Warning should be considered in order to perform a complete search.</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C25B 3/20		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 3/20 is incomplete pending reclassification of documents from group C25B 3/00. Groups C25B 3/00 and C25B 3/20 should be considered in order to perform a complete search.</p>
N	C25B 3/21		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 3/21 is incomplete pending reclassification of documents from groups C25B 3/00, C25B 3/23, C25B 3/25, C25B 3/27, C25B 3/28, C25B 3/29, and C25B 3/295. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 3/23		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 3/23 is incomplete pending reclassification of documents from group C25B 3/00. Group C25B 3/23 is also impacted by reclassification into groups C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, C25B 3/21, C25B 3/27, and C25B 3/28. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 3/25		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 3/25 is incomplete pending reclassification of documents from group C25B 3/00. Group C25B 3/25 is also impacted by reclassification into groups C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, C25B 3/21, and C25B 3/26. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 3/26		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 3/26 is incomplete pending reclassification of documents from groups C25B 3/00 and C25B 3/25. Groups C25B 3/00, C25B 3/25, and C25B 3/26 should be considered in order to perform a complete search.</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C25B 3/27		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 3/27 is incomplete pending reclassification of documents from group C25B 3/23. Group C25B 3/27 is also impacted by reclassification into groups C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, and C25B 3/21. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 3/28		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 3/28 is incomplete pending reclassification of documents from group C25B 3/23. Group C25B 3/28 is also impacted by reclassification into groups C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, and C25B 3/21. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 3/29		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 3/29 is impacted by reclassification into groups C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, and C25B 3/21. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 3/295		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 3/295 is impacted by reclassification into groups C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, and C25B 3/21. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 9/00		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/00 is impacted by reclassification into groups C25B 9/01, C25B 9/015, C25B 9/05, C25B 9/07, C25B 9/09, C25B 9/13, C25B 9/15, C25B 9/17, C25B 9/23, C25B 9/40, C25B 9/50, C25B 9/60, and C25B 9/67. All groups listed in this Warning should be considered in order to perform a complete search.</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C25B 9/005		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/005 is incomplete pending reclassification of documents from group C25B 9/70. Groups C25B 9/70 and C25B 9/005 should be considered in order to perform a complete search.</p>
N	C25B 9/01		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Groups C25B 9/01 and C25B 9/015 are incomplete pending reclassification of documents from group C25B 9/00. Groups C25B 9/00, C25B 9/01, and C25B 9/015 should be considered in order to perform a complete search.</p>
N	C25B 9/05		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/05 is incomplete pending reclassification of documents from groups C25B 9/00 and C25B 9/70. Groups C25B 9/00, C25B 9/70, and C25B 9/05 should be considered in order to perform a complete search.</p>
N	C25B 9/07		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/07 is incomplete pending reclassification of documents from group C25B 9/00. Groups C25B 9/00 and C25B 9/07 should be considered in order to perform a complete search.</p>
N	C25B 9/09		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/09 is incomplete pending reclassification of documents from group C25B 9/00. Groups C25B 9/00 and C25B 9/09 should be considered in order to perform a complete search.</p>
N	C25B 9/13		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Groups C25B 9/13 and C25B 9/15 are incomplete pending reclassification of documents from group C25B 9/00. Groups C25B 9/00, C25B 9/13, and C25B 9/15 should be considered in order to perform a complete search.</p>
N	C25B 9/17		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/17 is incomplete pending reclassification of documents from group C25B 9/00. Groups C25B 9/00 and C25B 9/17 should be considered in order to perform a complete search.</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C25B 9/19		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/19 is impacted by reclassification into group C25B 9/21. Groups C25B 9/19 and C25B 9/21 should be considered in order to perform a complete search.</p>
N	C25B 9/21		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/21 is incomplete pending reclassification of documents from group C25B 9/19. Groups C25B 9/19 and C25B 9/21 should be considered in order to perform a complete search.</p>
N	C25B 9/23		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/23 is incomplete pending reclassification of documents from group C25B 9/00. Groups C25B 9/00 and C25B 9/23 should be considered in order to perform a complete search.</p>
N	C25B 9/30		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/30 is impacted by reclassification into groups C25B 11/00, C25B 11/02, C25B 11/033, and C25B 11/034. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 9/40		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/40 is incomplete pending reclassification of documents from group C25B 9/00. Group C25B 9/40 is also impacted by reclassification into groups C25B 9/43, C25B 9/47, C25B 11/02, and C25B 11/037. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 9/43		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/43 is incomplete pending reclassification of documents from group C25B 9/40. Groups C25B 9/40 and C25B 9/43 should be considered in order to perform a complete search.</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C25B 9/47		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/47 is incomplete pending reclassification of documents from group C25B 9/40. Groups C25B 9/40 and C25B 9/47 should be considered in order to perform a complete search.</p>
N	C25B 9/50		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/50 is incomplete pending reclassification of documents from group C25B 9/00. Groups C25B 9/00 and C25B 9/50 should be considered in order to perform a complete search.</p>
N	C25B 9/60		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/60 is incomplete pending reclassification of documents from group C25B 9/00. Groups C25B 9/00 and C25B 9/60 should be considered in order to perform a complete search.</p>
N	C25B 9/67		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/67 is incomplete pending reclassification of documents from group C25B 9/00. Groups C25B 9/00 and C25B 9/67 should be considered in order to perform a complete search.</p>
N	C25B 9/70		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/70 is impacted by reclassification into groups C25B 1/04, C25B 9/05, C25B 9/005, C25B 11/00, and C25B 11/02. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 9/73		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/73 is impacted by reclassification into groups C25B 1/04, C25B 9/75, and C25B 9/77. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 9/75		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 9/75 is incomplete pending reclassification of documents from group C25B 9/73. Groups C25B 9/73 and C25B 9/75 should be considered in order to perform a complete search.</p>
N	C25B 9/77		<p><u>Insert</u> the following <u>new</u> warning.</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
			Group C25B 9/77 is incomplete pending reclassification of documents from group C25B 9/73. Groups C25B 9/73 and C25B 9/77 should be considered in order to perform a complete search.
N	C25B 11/00		<u>Insert</u> the following <u>new</u> warning. Group C25B 11/00 is incomplete pending reclassification of documents from groups C25B 1/04, C25B 9/30, and C25B 9/70. All groups listed in this Warning should be considered in order to perform a complete search.
N	C25B 11/02		<u>Insert</u> the following <u>new</u> warning. Group C25B 11/02 is incomplete pending reclassification of documents from groups C25B 1/04, C25B 9/30, C25B 9/40, and C25B 9/70. All groups listed in this Warning should be considered in order to perform a complete search.
N	C25B 11/031		<u>Insert</u> the following <u>new</u> warning. Group C25B 11/031 is impacted by reclassification into group C25B 11/032. Groups C25B 11/031 and C25B 11/032 should be considered in order to perform a complete search.
N	C25B 11/032		<u>Insert</u> the following <u>new</u> warning. Group C25B 11/032 is incomplete pending reclassification of documents from group C25B 11/031. Groups C25B 11/031 and C25B 11/032 should be considered in order to perform a complete search.
N	C25B 11/033		<u>Insert</u> the following <u>new</u> warning. Group C25B 11/033 is incomplete pending reclassification of documents from group C25B 9/30. Groups C25B 9/30 and C25B 11/033 should be considered in order to perform a complete search.
N	C25B 11/034		<u>Insert</u> the following <u>new</u> warning. Group C25B 11/034 is incomplete pending reclassification of documents from group C25B 9/30. Groups C25B 9/30 and C25B 11/034 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C25B 11/037		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/037 is incomplete pending reclassification of documents from group C25B 9/40. Groups C25B 9/40 and C25B 11/037 should be considered in order to perform a complete search.</p>
N	C25B 11/04		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/04 is impacted by reclassification into groups C25B 11/042, C25B 11/046, C25B 11/047, C25B 11/048, and C25B 11/049. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 11/042		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/042 is incomplete pending reclassification of documents from group C25B 11/04. Groups C25B 11/042 and C25B 11/04 should be considered in order to perform a complete search.</p>
N	C25B 11/043		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/043 is impacted by reclassification into group C25B 11/044. Groups C25B 11/043 and C25B 11/044 should be considered in order to perform a complete search.</p>
N	C25B 11/044		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/044 is incomplete pending reclassification of documents from group C25B 11/043. Groups C25B 11/043 and C25B 11/044 should be considered in order to perform a complete search.</p>
N	C25B 11/046		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/046 is incomplete pending reclassification of documents from group C25B 11/04. Groups C25B 11/046 and C25B 11/04 should be considered in order to perform a complete search.</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C25B 11/047		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/047 is incomplete pending reclassification of documents from group C25B 11/04. Groups C25B 11/047 and C25B 11/04 should be considered in order to perform a complete search.</p>
N	C25B 11/048		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/048 is incomplete pending reclassification of documents from group C25B 11/04. Groups C25B 11/048 and C25B 11/04 should be considered in order to perform a complete search.</p>
N	C25B 11/049		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/049 is incomplete pending reclassification of documents from group C25B 11/04. Groups C25B 11/049 and C25B 11/04 should be considered in order to perform a complete search.</p>
N	C25B 11/051		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/051 is impacted by reclassification into groups C25B 11/052, C25B 11/053, C25B 11/054, C25B 11/055, C25B 11/056, C25B 11/057, C25B 11/065, C25B 11/067, C25B 11/069, C25B 11/073, C25B 11/075, C25B 11/077, C25B 11/079, C25B 11/083, C25B 11/085, C25B 11/087, C25B 11/089, and C25B 11/097. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 11/052		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Groups C25B 11/052 and C25B 11/053 are incomplete pending reclassification of documents from group C25B 11/051. Groups C25B 11/051, C25B 11/052, and C25B 11/053 should be considered in order to perform a complete search.</p>
N	C25B 11/054		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/054 is incomplete pending reclassification of documents from group C25B 11/051. Groups C25B 11/051 and C25B 11/054 should be considered in order to perform a complete search.</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C25B 11/055		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/055 is incomplete pending reclassification of documents from group C25B 11/051. Groups C25B 11/051 and C25B 11/055 should be considered in order to perform a complete search.</p>
N	C25B 11/056		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/056 is incomplete pending reclassification of documents from group C25B 11/051. Groups C25B 11/051 and C25B 11/056 should be considered in order to perform a complete search.</p>
N	C25B 11/057		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/057 is incomplete pending reclassification of documents from group C25B 11/051. Groups C25B 11/051 and C25B 11/057 should be considered in order to perform a complete search.</p>
N	C25B 11/061		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/061 is impacted by reclassification into group C25B 11/063. Groups C25B 11/061 and C25B 11/063 should be considered in order to perform a complete search.</p>
N	C25B 11/063		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/063 is incomplete pending reclassification of documents from group C25B 11/061. Groups C25B 11/061 and C25B 11/063 should be considered in order to perform a complete search.</p>
N	C25B 11/065		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/065 is incomplete pending reclassification of documents from group C25B 11/051. Groups C25B 11/051 and C25B 11/065 should be considered in order to perform a complete search.</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C25B 11/067		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/067 is incomplete pending reclassification of documents from group C25B 11/051. Groups C25B 11/051 and C25B 11/067 should be considered in order to perform a complete search.</p>
N	C25B 11/069		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/069 is incomplete pending reclassification of documents from group C25B 11/051. Groups C25B 11/051 and C25B 11/069 should be considered in order to perform a complete search.</p>
N	C25B 11/073		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/073 is incomplete pending reclassification of documents from group C25B 11/051. Groups C25B 11/051 and C25B 11/073 should be considered in order to perform a complete search.</p>
N	C25B 11/075		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/075 is incomplete pending reclassification of documents from group C25B 11/051. Groups C25B 11/051 and C25B 11/075 should be considered in order to perform a complete search.</p>
N	C25B 11/077		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/077 is incomplete pending reclassification of documents from group C25B 11/051. Groups C25B 11/051 and C25B 11/077 should be considered in order to perform a complete search.</p>
N	C25B 11/079		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/079 is incomplete pending reclassification of documents from group C25B 11/051. Groups C25B 11/051 and C25B 11/079 should be considered in order to perform a complete search.</p>
N	C25B 11/083		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/083 is incomplete pending reclassification of documents from group C25B 11/051. Groups C25B 11/051 and C25B 11/083 should be considered in order to perform a complete search.</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C25B 11/085		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/085 is incomplete pending reclassification of documents from group C25B 11/051. Groups C25B 11/051 and C25B 11/085 should be considered in order to perform a complete search.</p>
N	C25B 11/087		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/087 is incomplete pending reclassification of documents from group C25B 11/051. Groups C25B 11/051 and C25B 11/087 should be considered in order to perform a complete search.</p>
N	C25B 11/089		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/089 is incomplete pending reclassification of documents from group C25B 11/051. Groups C25B 11/051 and C25B 11/089 should be considered in order to perform a complete search.</p>
N	C25B 11/097		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 11/097 is incomplete pending reclassification of documents from group C25B 11/051. Groups C25B 11/051 and C25B 11/097 should be considered in order to perform a complete search.</p>
N	C25B 13/04		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 13/04 is impacted by reclassification into groups C25B 13/05 and C25B 13/07. Groups C25B 13/04, C25B 13/05, and C25B 13/07 should be considered in order to perform a complete search.</p>
N	C25B 13/05		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 13/05 is incomplete pending reclassification of documents from group C25B 13/04. Groups C25B 13/04 and C25B 13/05 should be considered in order to perform a complete search.</p>
N	C25B 13/07		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 13/07 is incomplete pending reclassification of documents from group C25B 13/04. Groups C25B 13/04 and C25B 13/07 should be considered in order to perform a complete search.</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C25B 15/02		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 15/02 is impacted by reclassification into groups C25B 15/021, C25B 15/023, C25B 15/025, C25B 15/027, C25B 15/029, C25B 15/031, and C25B 15/033. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 15/021		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 15/021 is incomplete pending reclassification of documents from group C25B 15/02. Groups C25B 15/02 and C25B 15/021 should be considered in order to perform a complete search.</p>
N	C25B 15/023		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Groups C25B 15/023 - C25B 15/033 are incomplete pending reclassification of documents from group C25B 15/02. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 15/08		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 15/08 is impacted by reclassification into groups C25B 15/081, C25B 15/083, C25B 15/085, and C25B 15/087. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	C25B 15/081		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 15/081 is incomplete pending reclassification of documents from group C25B 15/08. Groups C25B 15/08 and C25B 15/081 should be considered in order to perform a complete search.</p>
N	C25B 15/083		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 15/083 is incomplete pending reclassification of documents from group C25B 15/08. Groups C25B 15/08 and C25B 15/083 should be considered in order to perform a complete search.</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C25B 15/085		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 15/085 is incomplete pending reclassification of documents from group C25B 15/08. Groups C25B 15/08 and C25B 15/085 should be considered in order to perform a complete search.</p>
N	C25B 15/087		<p><u>Insert</u> the following <u>new</u> warning.</p> <p>Group C25B 15/087 is incomplete pending reclassification of documents from group C25B 15/08. Groups C25B 15/08 and C25B 15/087 should be considered in order to perform a complete search.</p>

*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 C25B - ELECTROLYTIC OR ELECTROPHORETIC PROCESSES FOR THE PRODUCTION OF COMPOUNDS OR NON-METALS; APPARATUS THEREFOR (anodic or cathodic protection C23F 13/00; single-crystal growth C30B)**

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	C25B	<ol style="list-style-type: none"> In this subclass, in the absence of an indication to the contrary, classification is made in the last appropriate place. Compounds of particular interest are also classified in the relevant classes, e.g. C01, C07. 	<p><u>Replace</u> existing notes 1 and 2 with the following note.</p> <p>Compounds of particular interest are also classified in the relevant classes, e.g. in C01, C07, C08.</p>

*N = new note, M = modified note, D = deleted note

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

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2. A. DEFINITIONS (new)

Insert the following new definitions.

C25B 1/55

Definition statement

This place covers:

Photoelectrolysis process only.

Relationships with other classification places

Distinctions should be drawn among a (1) photoelectrolytic process (C25B 1/55), (2) cell with two electrodes, even without externally applied voltage (C25B 9/50), and (3) photolytic process or cell with a single electrode where the process is catalyzed by a substance producing photoelectrons (B01J 19/12 - B01J 19/129).

References

Informative references

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

Photocatalysts	B01J 35/004
Light-sensitive devices, e.g. panels or arrays of photoelectrochemical cells	H01G 9/20
Photoelectrochemical cells	H01M 14/005

C25B 9/05

Definition statement

This place covers:

Cells subjected to pressure that exceeds ambient pressure, e.g. high-pressure water electrolysis system.

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C25B 9/17**Definition statement***This place covers:*

Cells and their construction comprising electrodes that are not sacrificial.

Glossary of terms*In this place, the following terms or expressions are used with the meaning indicated:*

Dimensionally-stable electrode	An electrode that is not intended to dissolve upon electrolysis (not a sacrificial electrode).
--------------------------------	--

Synonyms and Keywords*In patent documents, the following abbreviations are often used:*

DSE	Dimensionally Stable Electrode
DSA	Dimensionally Stable Anode

C25B 9/23**Definition statement***This place covers:*

Membrane-electrode assemblies (MEAs).

C25B 9/30**Definition statement***This place covers:*

Electrodes that move in space or around an axis, such as rotary electrodes.

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C25B 9/40

Definition statement

This place covers:

Electrodes that comprise a bed of electrically conductive particles that are arranged such that they at least temporarily contact each other and an electrical conductor (a net, a plate etc.) that provides connection to a power source.

Relationships with other classification places

Electrodes in particulate form for treatment of water, waste water or sewage are classified in C02F 1/46114.

C25B 9/43

Definition statement

This place covers:

Electrodes that comprise a bed of electrically conductive particles that are arranged such that they are in motion and temporarily contact each other and an electrical conductor (a net, a plate etc.) that provides connection to a power source.

C25B 9/47

Definition statement

This place covers:

Electrodes that comprise a bed of electrically conductive particles that are arranged such that they are at rest and continuously touch each other and an electrical conductor (a net, a plate etc.) that provides connection to a power source.

Synonyms and keywords

In patent documents, the following words/expressions are often used as synonyms:

- " fixed bed electrode " and " static bed electrode "

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C25B 9/65**Definition statement***This place covers:*

Devices and connections that are monopolar.

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

Bipolar electrodes	C25B 9/75
Electrical connections in fuel cells or storage batteries	H01M 8/02 , H01M 50/50
Electrical connections in general	H01R

C25B 9/73**Glossary of terms***In this place, the following terms or expressions are used with the meaning indicated:*

Filter-press type cells	Filter-press type cells generally consist of a stack of vertical frames that define electrolysis chambers in which electrodes are arranged vertically.
-------------------------	--

C25B 9/75**Definition statement***This place covers:*

Stacks of a plurality of cells with bipolar electrodes, as in a filter press.

Glossary of terms*In this place, the following terms or expressions are used with the meaning indicated:*

Monopolar electrode	A monopolar electrode is connected to a power source and thus acts either as an anode or as a cathode.
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Bipolar electrode	A bipolar electrode is a floating conductor in contact with an ionically conductive phase. It is a field electrode, positioned in an electrical field between a monopolar anode and a monopolar cathode without being itself connected to a power source. Through the action of the electrical field, the side of the bipolar electrode that faces the cathode acts as an anode, and the side that faces the anode acts as a cathode.
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Synonyms and Keywords

In patent documents, the following abbreviations are often used:

BPE	Bipolar electrode
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C25B 9/77

Definition statement

This place covers:

Cells with a diaphragm, e.g. membrane or separator, which is a permeable barrier between electrodes.

C25B 11/032

References

Informative references:

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

Gas diffusion electrodes for the generation of power	H01M 4/86 , H01M 8/02
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Synonyms and Keywords

In patent documents, the following abbreviations are often used:

GDE	Gas diffusion electrodes
-----	--------------------------

C25B 11/043

Definition statement

This place covers:

Electrodes that have a carbon-based structure, e.g. carbon cloth.

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Relationships with other classification places

Diamond electrodes used in treatment of water or waste water etc. are classified in C02F 1/46109 and C02F 2001/46133.

References**Informative references:**

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

Carbon masses	C04B 35/52
Electrodes that comprise carbon either as the substrate or a coating	C25B 11/065
Diamond electrodes that comprise a diamond coating on a substrate	C25B 11/083

C25B 11/051**Glossary of terms**

In this place, the following terms or expressions are used with the meaning indicated:

Substrate	The substrate forms the bulk of the electrode and includes oxide layers, which are particularly common on valve metals.
Coating	The coating includes all layers on the substrate, i.e. the coating is not exclusively the electrocatalytic layer, which is usually on top and in contact with the electrolyte. The coating also includes intermediate layers, such as oxide layers that are not inevitable, but intentionally formed on the substrate.

2. A. DEFINITIONS (modified)

Modify the following definitions.

C25B

Definition statement

Replace: All of the text in the existing “Definition statement” section with the following updated text.

Electrolytic production of inorganic compounds, of non-metals and of organic compounds.

Electrogenerative processes, i.e. processes for producing compounds in which simultaneously electricity is generated.

Electrophoretic production of compounds or non-metals.

Cells or assemblies of cells, constructional parts of cells, assemblies of constructional parts, e.g. electrode-diaphragm assemblies, as long as they are used in or suitable for one of the above production methods.

Electrodes, manufacture thereof not otherwise provided for, as long as they are used in or suitable for one of the above production methods.

Diaphragms, spacing elements, as long as they are used in or suitable for one of the above production methods.

Operating or servicing of cells, as long as this operating or servicing is part of one of the above production methods.

Relationships with other classification places

Replace: All of the text in the existing “Relationships with other classification places” section with the following updated text.

The compounds of particular interest are also classified in the relevant classes, **C01** (inorganic chemistry), **C07** (organic chemistry), **C07F** (organo-metallic compounds), and **C08** (polymer chemistry).

Multi-step processes for surface treatment of metallic material involving at least one process provided for in class **C23** and at least one process provided for in class **C25** are classified in group **C23F17/00**.

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Reversible fuel cells that act as electrolyzers are classified in [H01M8/18](#).

Production of dissolved species for purposes of water or waste water treatment is classified in [C02F1/46](#) and subgroups.

The electrolytic or electrophoretic purification of materials is classified according to the nature of the liquid-material, e.g. water, electrolytes, processes or solutions, in the relevant places, e.g. [A01K63/00](#), [C02F1/46](#), [C25B15/08](#), [C25D21/16](#), [C25F7/02](#).

Cold fusion methods as such are classified in [G21B3/00](#), but electrodes and cells for cold fusion are further classified in [C25B](#).

An electrothermal treatment of ores or metallurgical products for obtaining metals or alloys is classified in [C22B4/00](#) and does not involve an electrolytic process.

Alloys as such, prepared by electrolytic methods are classified in [C22C](#).

Special rules of classification

Replace: All of the text in the existing “Special rules of classification” section with the following updated text.

[C25B](#) concerns the production of compounds or non-metals, which includes separating the said products as such, or at least the possibility of separating them.

Illustrative examples:

- (1) Electrolysis of sodium chloride to develop chlorine gas that is collected as a product is covered by [C25B](#).
- (2) Electrolysis of water comprising sodium chloride to form chlorine / hypochlorite in solution for disinfection is not covered by [C25B](#).

As a consequence, the electrolytic cells and parts of cells in example (1) are covered by [C25B](#) as well, while the electrolytic cells and parts of cells in example (2) are not.

There are, of course, cases that are covered by [C25B](#) and another subclass or subgroup.

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Glossary of terms

Replace: All of the terms in the existing “Glossary of terms” table with the following terms.

Monopolar electrode	A monopolar electrode is connected to a power source and thus acts either as an anode or as a cathode.
Bipolar electrode	A bipolar electrode is a floating conductor in contact with an ionically conductive phase. It is a field electrode, positioned in an electrical field between a monopolar anode and a monopolar cathode without being itself connected to a power source. Through the action of the electrical field, the side of the bipolar electrode that faces the cathode acts as an anode, and the side that faces the anode acts as a cathode.
Dimensionally-stable electrode	An electrode that is not intended to dissolve upon electrolysis (not a sacrificial electrode).

Synonyms and Keywords

Replace: The existing term (Diaphragm/Membrane) in the “Synonyms and Keywords” table with the following term.

BPE	Bipolar electrode
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Insert: The following new entry in the existing “Synonyms and Keywords” section.

In patent documents, the following words/expressions are often used as synonyms:

- "diaphragm" and “separator” or "membrane"

C25B 1/00**Definition statement**

Replace: The existing text in the “Definition statement” section with the following updated text.

Electrolytic production of all those inorganic compounds or non-metals that do not fall within the scope of one of the subgroups of [C25B 1/00](#).

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Specific compounds like hydrogen, oxygen, silicon, ozone, alkali metal compounds, inorganic acid, per-compounds, etc. are classified in the subgroups of [C25B 1/00](#), not in [C25B 1/00](#).

C25B 1/003

Delete: The entire existing definition.

C25B 1/02**Limiting references**

Delete: The entire existing “Limiting references” section.

Informative references

Insert: The following new “Informative references” section.

Informative references

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

Separation of hydrogen or hydrogen containing gases from gaseous mixtures, e.g. hydrogen electrochemical pumps	C01B 3/50
Engines or plants characterised by use of other specific gases, e.g. oxyhydrogen (even when produced by an electrolytic cell)	F02B 43/10
Engine-pertinent apparatus for supplying combustion engine with gas, e.g. hydrogen or oxygen, the apparatus having means for preparing such gas (even when the means is an electrolytic cell)	F02M 25/12

Special rules of classification

Replace: All of the text in the “Special rules of classification” section with the following updated text.

Only the details of the electrolytic production process present in the document are classified.

A simple reference to the presence of an electrolytic cell or hydrogen produced by electrolysis does not justify classification in [C25B](#).

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C25B 1/04

Definition statement

Replace: All of the text in the “Definition statement” section with the following updated text.

Electrolysis of water with production of hydrogen and oxygen from water at the anode and cathode, even when this water comprises an electroconductive additive, such as a hydroxide or an acid.

Steam electrolysis is also covered.

C25B 1/10

Delete: The entire existing definition.

C25B 1/12

Delete: The entire existing definition.

C25B 1/13

Relationships with other classification places

Insert: The following new “Relationships with other classification places” section.

Relationships with other classification places

Production of dissolved species for treating of water or waste water by electrochemical methods, cells and electrodes therefor is classified in C02F 1/467.

Limiting references

Delete: The entire “Limiting references” section.

Informative references

Insert: The following new “Informative references” section.

Informative references

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

Disinfecting / sterilising with "dental water"
--

A61C 1/0076

C25B 1/24

Relationships with other classification places

Insert: The following new “Relationships with other classification places” section.

Production of dissolved species for treating of water or waste water by electrochemical methods, cells and electrodes therefor is classified in C02F 1/467.

Limiting references

Delete: The entire “Limiting references” section.

C25B 1/28

Definition statement

Replace: All of the text in the existing “Definition statement” section with the following updated text.

Electrolytic production of per-compounds (see Glossary of terms).

Relationships with other classification places

Insert: The following new “Relationships with other classification places” section.

Treatment of water and waste water by electrochemical disinfection is classified in C02F 1/4672.

Limiting references

Delete: The entire existing “Limiting references” section.

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Informative referencesInsert: The following new “Informative references” section.**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Disinfecting / sterilising with "dental water"	A61C 1/0076
--	-----------------------------

Glossary of termsReplace: All of the text in the second column of the “Glossary of terms” table with the following updated text.

When an element can bond with oxygen in multiple ways to form different polyatomic ions (also called oxyanions), the prefixes “hypo-” and “per-” are used in conjunction with the suffixes “-ite” and “-ate” and a portion (x) of the name of the primary element to designate the oxyanion: (1) a “hypo-x-ite” ion has one fewer oxygen atom than (2) an “x-ite” ion, while an “x-ite” ion has one fewer oxygen atom than (3) an “x-ate” ion, and an “x-ate” ion has one fewer oxygen atom than (4) a “per-x-ate” ion (per-compound). For example, ClO^- is hypochlorite, ClO_2^- is chlorite, ClO_3^- is chlorate, and ClO_4^- is perchlorate.

C25B 3/00**Limiting references**Delete: The entire existing “Limiting references” section.**Informative references**Insert: The following new “Informative references” section.**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Electrolytic polymerisation	C08G 61/00
Production of hydrocarbons from hydrogen (even when produced by an electrolytic cell) and carbon monoxide	C10G 2/30

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Production of hydrocarbons from hydrogen (even when produced by an electrolytic cell) and carbon dioxide	C10G 2/50
Electrocoating a substrate with an organic material	C25D 9/02
Engines or plants characterised by use of other specific gases, e.g. oxyhydrogen (even when produced by an electrolytic cell)	F02B 43/10
Engine-pertinent apparatus for supplying combustion engine with gas, e.g. hydrocarbon gas, the apparatus having means for preparing such gas (even when the means is an electrolytic cell)	F02M 25/12

Glossary of terms

Replace: The existing text in the “Glossary of terms” table with the following updated text.

Oxidation and reduction	A reaction that takes place directly at the organic molecule and involves an electron being lost (oxidation) or gained (reduction).
Coupling	A reaction that takes place directly at the organic molecule and does not involve oxidation or reduction, e.g. a Kolbe reaction.

C25B 5/00

Definition statement

Replace: All of the existing text in the “Definition statement” section with the following updated text.

Processes that generate electricity and produce a compound other than water, e.g. hydrogen peroxide.

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C25B 7/00**Limiting references**

Delete: The following existing row from the “Limiting references” table.

Electrocoating, when the coating is only deposited and not produced by an electrolytic reaction	C25D 13/04
---	------------

Insert: The following new “Informative references” section.

Informative references

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

Electrocoating, when the coating is only deposited and not produced by an electrolytic reaction	C25D 13/04
---	------------

C25B 9/00**Definition statement**

Replace: All of the existing text in the “Definition statement” section with the following updated text.

Cells, assembly of cells or assemblies of constructional parts used for the electrolytic production processes that are defined in other subgroups of [C25B](#).

Relationships with other classification places

Insert: The following new “Relationships with other classification places” section.

Devices for the electrolytic treatment of water or sewage are classified in C02F 1/46104.

Limiting references

Delete: The entire existing “Limiting references” section.

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Informative references

Insert: The following new row in the “Informative references” section.

The combination of an electrolytic cell with a combustor to improve combustion	F02B 43/10
--	------------

Glossary of terms

Replace: Only the existing text in the second column of the “Glossary of terms” section with the following updated text.

Grouping of such cells into batteries	Arranging plural cells such that they form a pile (not to form a storage battery).
---------------------------------------	--

C25B 9/04

Delete: The entire definition.

C25B 9/06

Delete: The entire definition.

C25B 9/063

Delete: The entire definition.

C25B 9/10

Delete: The entire definition.

C25B 9/12

Delete: The entire definition.

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C25B 9/16

Delete: The entire definition.

C25B 9/162

Delete: The entire definition.

C25B 9/166

Delete: The entire definition.

C25B 9/18

Delete: The entire definition.

C25B 9/20

Delete: The entire definition.

C25B 9/203

Delete: The entire definition.

C25B 11/00

Definition statement

Replace: The existing text in the “Definition statement” section with the following updated text.

Electrodes used for the electrolytic or electrochemical production processes that are defined somewhere in [C25B](#).

Relationships with other classification places

Insert: The following new “Relationships with other classification places” section.

Electrodes for treatment of water or sewage are classified in C02F 1/46109.

Limiting references

Delete: The entire existing “Limiting references” section.

Special rules of classification

Delete: The entire existing “Special rules of classification” section.

C25B 11/035

Delete: The entire definition.

C25B 11/0405

Delete: The entire definition.

C25B 11/12

Delete: The entire definition.

C25B 11/16

Delete: The entire definition.

C25B 11/18

Delete: The entire definition.

C25B 13/00

Definition statement

Replace: All of the text in the existing Definition statement with the following updated text.

Structural material used to separate the electrodes of an electrolytic or electrophoretic cell to form two or more compartments and allow the flow of an electrolytic solution or the migration of particular ions while preventing the intermixing of the products formed at the surface of the electrodes.

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Synonyms and Keywords

Delete: The entire existing “Synonyms and Keywords” section.

C25B 13/04**Informative references**

Replace: Only the existing text in the first column of the “Informative references” table with the following updated text.

Solid state electrolytes for fuel cells, characterised by the electrolyte material	H01M 8/1016, H01M 2300/0088, H01M 2300/0065
--	---

C25B 13/08**Relationships with other classification places**

Replace: The existing text in the “Relationships with other classification places” section with the following updated text.

Organic polymer membranes, when the emphasis is on the polymer electrolyte compound, are classified in [C08J 5/22](#) and in [H01M 8/1018](#) or [H01M 2300/0082](#) if the polymer electrolyte compound is used in fuel cells.

C25B 15/00**Definition statement**

Replace: The existing text in the second paragraph of the “Definition statement” section with the following updated text.

When related to a specific process only, the operating or servicing is classified with the process, e.g. decomposition of amalgam, which is process-related and therefore classified in [C25B 1/42](#).

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3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	C25B 1/00	C25B 1/00, C25B 1/01, C25B 1/135, C25B 1/23, C25B 1/27, C25B 1/50
D	C25B 1/003	<administrative transfer to C25B 1/55>
D	C25B 1/006	<administrative transfer to C25B 1/33>
C	C25B 1/04	C25B 1/04, C25B 1/042, C25B 1/044, C25B 11/00, C25B 11/02
D	C25B 1/06	<administrative transfer to C25B 1/04 and C25B 11/00 simultaneously>
D	C25B 1/08	<administrative transfer to C25B 1/04 and C25B 9/73 simultaneously>
D	C25B 1/10	<administrative transfer to C25B 1/04 and C25B 9/73 simultaneously>
D	C25B 1/12	<administrative transfer to C25B 1/04 and C25B 9/05 simultaneously>
C	C25B 1/16	C25B 1/16, C25B 1/34
C	C25B 1/26	C25B 1/26, C25B 1/34
D	C25B 1/285	<administrative transfer to C25B 1/29>
D	C25B 1/38	<administrative transfer to C25B 1/36>
D	C25B 1/40	<administrative transfer to C25B 1/36>
C	C25B 3/00	C25B 3/00, C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, C25B 3/20, C25B 3/21, C25B 3/23, C25B 3/25, C25B 3/26
D	C25B 3/02	<administrative transfer to C25B 3/23>
D	C25B 3/04	<administrative transfer to C25B 3/25>
D	C25B 3/06	<administrative transfer to C25B 3/27>
D	C25B 3/08	<administrative transfer to C25B 3/28>
D	C25B 3/10	<administrative transfer to C25B 3/29>
D	C25B 3/105	<administrative transfer to C25B 3/295>
D	C25B 3/12	<administrative transfer to C25B 3/13>
Q	C25B 3/23	C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, C25B 3/21, C25B 3/23, C25B 3/27, C25B 3/28
Q	C25B 3/25	C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, C25B 3/21, C25B 3/25, C25B 3/26
Q	C25B 3/27	C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, C25B 3/21, C25B 3/27
Q	C25B 3/28	C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, C25B 3/21, C25B 3/28
Q	C25B 3/29	C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, C25B 3/21, C25B 3/29
Q	C25B 3/295	C25B 3/01, C25B 3/03, C25B 3/05, C25B 3/07, C25B 3/09, C25B 3/11, C25B 3/13, C25B 3/21, C25B 3/295
C	C25B 9/00	C25B 9/00, C25B 9/01, C25B 9/015, C25B 9/05, C25B 9/07, C25B 9/09, C25B 9/13, C25B 9/15, C25B 9/17, C25B 9/23, C25B 9/40, C25B 9/50, C25B 9/60, C25B 9/67
D	C25B 9/02	<administrative transfer to C25B 9/63>
D	C25B 9/04	<administrative transfer to C25B 9/65>
D	C25B 9/045	<administrative transfer to C25B 9/66>
D	C25B 9/06	<administrative transfer to C25B 9/17>
D	C25B 9/063	<administrative transfer to C25B 11/036>
D	C25B 9/066	<administrative transfer to C25B 9/19>
D	C25B 9/08	<administrative transfer to C25B 9/19>
D	C25B 9/10	<administrative transfer to C25B 9/23>
D	C25B 9/12	<administrative transfer to C25B 9/30 and C25B 11/02 simultaneously>
D	C25B 9/125	<administrative transfer to C25B 9/30 and C25B 11/034 simultaneously>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	C25B 9/14	<administrative transfer to C25B 11/033>
D	C25B 9/142	<administrative transfer to C25B 9/303 and C25B 9/70 and C25B 11/033 simultaneously>
D	C25B 9/144	<administrative transfer to C25B 9/303 and C25B 9/70 and C25B 11/033 simultaneously>
D	C25B 9/146	<administrative transfer to C25B 9/305 and C25B 9/70 and C25B 11/033 simultaneously>
D	C25B 9/148	<administrative transfer to C25B 9/305 and C25B 9/70 and C25B 11/033 simultaneously>
D	C25B 9/16	<administrative transfer to C25B 9/40>
D	C25B 9/162	<administrative transfer to C25B 9/40>
D	C25B 9/164	<administrative transfer to C25B 9/70 and C25B 9/40 simultaneously>
D	C25B 9/166	<administrative transfer to C25B 9/40>
D	C25B 9/168	<administrative transfer to C25B 9/70 and C25B 9/40 simultaneously>
D	C25B 9/18	<administrative transfer to C25B 9/70>
Q	C25B 9/19	C25B 9/19, C25B 9/21
D	C25B 9/20	<administrative transfer to C25B 9/73>
D	C25B 9/203	<administrative transfer to C25B 9/75 and C25B 11/036 simultaneously>
D	C25B 9/206	<administrative transfer to C25B 9/77>
Q	C25B 9/30	C25B 9/30, C25B 11/00, C25B 11/02, C25B 11/033, C25B 11/034
Q	C25B 9/40	C25B 9/40, C25B 9/43, C25B 9/47, C25B 11/02, C25B 11/037
Q	C25B 9/70	C25B 1/04, C25B 9/005, C25B 9/05, C25B 9/70, C25B 11/00, C25B 11/02
Q	C25B 9/73	C25B 1/04, C25B 9/73, C25B 9/75, C25B 9/77
Q	C25B 11/031	C25B 11/031, C25B 11/032
D	C25B 11/035	<administrative transfer to C25B 11/031>
C	C25B 11/04	C25B 11/04, C25B 11/042, C25B 11/046, C25B 11/047, C25B 11/048, C25B 11/049
D	C25B 11/0405	<administrative transfer to C25B 11/051>
D	C25B 11/041	<administrative transfer to C25B 11/055>
D	C25B 11/0415	<administrative transfer to C25B 11/057>
D	C25B 11/0421	<administrative transfer to C25B 11/059>
D	C25B 11/0426	<administrative transfer to C25B 11/069>
Q	C25B 11/043	C25B 11/043, C25B 11/044
D	C25B 11/0431	<administrative transfer to C25B 11/061>
D	C25B 11/0436	<administrative transfer to C25B 11/071>
D	C25B 11/0442	<administrative transfer to C25B 11/073>
D	C25B 11/0447	<administrative transfer to C25B 11/075>
D	C25B 11/0452	<administrative transfer to C25B 11/077>
D	C25B 11/0457	<administrative transfer to C25B 11/0771>
D	C25B 11/0463	<administrative transfer to C25B 11/0773>
D	C25B 11/0468	<administrative transfer to C25B 11/0775>
D	C25B 11/0473	<administrative transfer to C25B 11/081>
D	C25B 11/0478	<administrative transfer to C25B 11/091>
D	C25B 11/0484	<administrative transfer to C25B 11/093>
D	C25B 11/0489	<administrative transfer to C25B 11/095>
D	C25B 11/0494	<administrative transfer to C25B 11/097>
Q	C25B 11/051	C25B 11/051, C25B 11/052, C25B 11/053, C25B 11/054, C25B 11/055, C25B 11/056, C25B 11/057, C25B 11/065, C25B 11/067, C25B 11/069, C25B 11/073, C25B 11/075, C25B 11/077, C25B 11/079, C25B 11/083, C25B 11/085, C25B 11/087, C25B 11/089, C25B 11/097

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
Q	C25B 11/061	C25B 11/061, C25B 11/063
D	C25B 11/12	<administrative transfer to C25B 11/043>
D	C25B 11/14	<administrative transfer to C25B 11/044>
D	C25B 11/16	<administrative transfer to C25B 11/04 and C25B 11/054 simultaneously>
D	C25B 11/18	<administrative transfer to C25B 11/045>
C	C25B 13/04	C25B 13/04, C25B 13/05, C25B 13/07
C	C25B 15/02	C25B 15/02, C25B 15/021, C25B 15/023, C25B 15/025, C25B 15/027, C25B 15/029, C25B 15/031, C25B 15/033
C	C25B 15/08	C25B 15/08, C25B 15/081, C25B 15/083, C25B 15/085, C25B 15/087

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:

- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“To”) symbol, however it is required to specify “<no transfer>” in the “To” column for such cases.
- RCL is not needed for finalisation projects.

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

CPC	IPC	Action*
C25B 1/003		DELETE
C25B 1/006		DELETE
C25B 1/01	C25B 1/01	NEW
C25B 1/042	C25B 1/042	NEW
C25B 1/044	C25B 1/044	NEW
C25B 1/06		DELETE
C25B 1/08		DELETE
C25B 1/10		DELETE
C25B 1/12		DELETE
C25B 1/135	C25B 1/135	NEW
C25B 1/23	C25B 1/23	NEW
C25B 1/245	C25B 1/245	UPDATED
C25B 1/27	C25B 1/27	NEW
C25B 1/285		DELETE
C25B 1/29	C25B 1/29	NEW
C25B 1/33	C25B 1/33	NEW
C25B 1/38		DELETE
C25B 1/40		DELETE
C25B 1/50	C25B 1/50	NEW
C25B 1/55	C25B 1/55	NEW
C25B 3/01	C25B 3/01	NEW
C25B 3/02		DELETE
C25B 3/03	C25B 3/03	NEW
C25B 3/04		DELETE
C25B 3/05	C25B 3/05	NEW
C25B 3/06		DELETE
C25B 3/07	C25B 3/07	NEW
C25B 3/08		DELETE
C25B 3/09	C25B 3/09	NEW
C25B 3/10		DELETE
C25B 3/105		DELETE
C25B 3/11	C25B 3/11	NEW
C25B 3/12		DELETE
C25B 3/13	C25B 3/13	NEW
C25B 3/20	C25B 3/20	NEW
C25B 3/21	C25B 3/21	NEW
C25B 3/23	C25B 3/23	NEW
C25B 3/25	C25B 3/25	NEW
C25B 3/26	C25B 3/26	NEW
C25B 3/27	C25B 3/27	NEW
C25B 3/28	C25B 3/28	NEW
C25B 3/29	C25B 3/29	NEW
C25B 3/295	C25B 3/29	NEW

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CPC	IPC	Action*
C25B 9/01	C25B 9/01	NEW
C25B 9/015	C25B 9/015	NEW
C25B 9/02		DELETE
C25B 9/04		DELETE
C25B 9/045		DELETE
C25B 9/05	C25B 9/05	NEW
C25B 9/06		DELETE
C25B 9/063		DELETE
C25B 9/066		DELETE
C25B 9/07	C25B 9/07	NEW
C25B 9/08		DELETE
C25B 9/09	C25B 9/09	NEW
C25B 9/10		DELETE
C25B 9/12		DELETE
C25B 9/125		DELETE
C25B 9/13	C25B 9/13	NEW
C25B 9/14		DELETE
C25B 9/142		DELETE
C25B 9/144		DELETE
C25B 9/146		DELETE
C25B 9/148		DELETE
C25B 9/15	C25B 9/15	NEW
C25B 9/16		DELETE
C25B 9/162		DELETE
C25B 9/164		DELETE
C25B 9/166		DELETE
C25B 9/168		DELETE
C25B 9/17	C25B 9/17	NEW
C25B 9/18		DELETE
C25B 9/19	C25B 9/19	NEW
C25B 9/20		DELETE
C25B 9/203		DELETE
C25B 9/206		DELETE
C25B 9/21	C25B 9/21	NEW
C25B 9/23	C25B 9/23	NEW
C25B 9/30	C25B 9/30	NEW
C25B 9/303	C25B 9/30	NEW
C25B 9/305	C25B 9/30	NEW
C25B 9/40	C25B 9/40	NEW
C25B 9/43	C25B 9/40	NEW
C25B 9/47	C25B 9/40	NEW
C25B 9/50	C25B 9/50	NEW
C25B 9/60	C25B 9/60	NEW
C25B 9/63	C25B 9/63	NEW
C25B 9/65	C25B 9/65	NEW

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C25B 9/66	C25B 9/65	NEW
C25B 9/67	C25B 9/67	NEW
C25B 9/70	C25B 9/70	NEW
C25B 9/73	C25B 9/73	NEW
C25B 9/75	C25B 9/75	NEW
C25B 9/77	C25B 9/77	NEW
C25B 11/031	C25B 11/031	NEW
C25B 11/032	C25B 11/032	NEW
C25B 11/033	C25B 11/033	NEW
C25B 11/034	C25B 11/034	NEW
C25B 11/035		DELETE
C25B 11/036	C25B 11/036	NEW
C25B 11/037	C25B 11/037	NEW
C25B 11/0405		DELETE
C25B 11/041		DELETE
C25B 11/0415		DELETE
C25B 11/042	C25B 11/042	NEW
C25B 11/0421		DELETE
C25B 11/0426		DELETE
C25B 11/043	C25B 11/043	NEW
C25B 11/0431		DELETE
C25B 11/0436		DELETE
C25B 11/044	C25B 11/044	NEW
C25B 11/0442		DELETE
C25B 11/0447		DELETE
C25B 11/045	C25B 11/045	NEW
C25B 11/0452		DELETE
C25B 11/0457		DELETE
C25B 11/046	C25B 11/046	NEW
C25B 11/0463		DELETE
C25B 11/0468		DELETE
C25B 11/047	C25B 11/047	NEW
C25B 11/0473		DELETE
C25B 11/0478		DELETE
C25B 11/048	C25B 11/048	NEW
C25B 11/0484		DELETE
C25B 11/0489		DELETE
C25B 11/049	C25B 11/049	NEW
C25B 11/0494		DELETE
C25B 11/051	C25B 11/051	NEW
C25B 11/052	C25B 11/052	NEW
C25B 11/053	C25B 11/053	NEW
C25B 11/054	C25B 11/054	NEW
C25B 11/055	C25B 11/055	NEW
C25B 11/056	C25B 11/056	NEW

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CPC	IPC	Action*
C25B 11/057	C25B 11/057	NEW
C25B 11/059	C25B 11/059	NEW
C25B 11/061	C25B 11/061	NEW
C25B 11/063	C25B 11/063	NEW
C25B 11/065	C25B 11/065	NEW
C25B 11/067	C25B 11/067	NEW
C25B 11/069	C25B 11/069	NEW
C25B 11/071	C25B 11/071	NEW
C25B 11/073	C25B 11/073	NEW
C25B 11/075	C25B 11/075	NEW
C25B 11/077	C25B 11/077	NEW
C25B 11/0771	C25B 11/077	NEW
C25B 11/0773	C25B 11/077	NEW
C25B 11/0775	C25B 11/077	NEW
C25B 11/079	C25B 11/079	NEW
C25B 11/081	C25B 11/081	NEW
C25B 11/083	C25B 11/083	NEW
C25B 11/085	C25B 11/085	NEW
C25B 11/087	C25B 11/087	NEW
C25B 11/089	C25B 11/089	NEW
C25B 11/091	C25B 11/091	NEW
C25B 11/093	C25B 11/093	NEW
C25B 11/095	C25B 11/095	NEW
C25B 11/097	C25B 11/097	NEW
C25B 11/12		DELETE
C25B 11/14		DELETE
C25B 11/16		DELETE
C25B 11/18		DELETE
C25B 13/05	C25B 13/05	NEW
C25B 13/07	C25B 13/07	NEW
C25B 15/021	C25B 15/021	NEW
C25B 15/023	C25B 15/023	NEW
C25B 15/025	C25B 15/025	NEW
C25B 15/027	C25B 15/027	NEW
C25B 15/029	C25B 15/029	NEW
C25B 15/031	C25B 15/031	NEW
C25B 15/033	C25B 15/033	NEW
C25B 15/081	C25B 15/08	NEW
C25B 15/083	C25B 15/08	NEW
C25B 15/085	C25B 15/08	NEW
C25B 15/087	C25B 15/08	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.”

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

NOTES:

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

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5. CROSS-REFERENCE LIST (CRL)

Definitions references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
C04B 35/016	C25B 11/16	Informative references	C25B 11/04
C04B 35/52	C25B 11/12 and subgroup	Informative references	C25B 11/043
C04B 35/521	C25B 11/14	Informative references	C25B 11/044
C07C 51/00	C25B 3/02	Limiting references	C25B 3/23

NOTES:

- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions **inside** the project scope will be reflected in the “scheme change” template or one of the “definition” templates.
- In addition to other changes proposed in the tables above, in the column titled “Referenced subclass or group to be changed,” **referenced** D symbols should indicate an action of “delete” or should indicate a replacement symbol and **referenced** F symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.