

SECTION C — CHEMISTRY; METALLURGY

C25 ELECTROLYTIC OR ELECTROPHORETIC PROCESSES; APPARATUS THEREFOR

C25B ELECTROLYTIC OR ELECTROPHORETIC PROCESSES FOR THE PRODUCTION OF COMPOUNDS OR NON-METALS; APPARATUS THEREFOR (anodic or cathodic protection C23F; single-crystal growth C30B) [2]

Note(s)

1. In this subclass, in the absence of an indication to the contrary, classification is made in the last appropriate place.
2. Compounds of particular interest are also classified in the relevant classes, e.g. in C01, C07.

1/00 Electrolytic production of inorganic compounds or non-metals [2]	9/00 Cells or assemblies of cells; Constructional parts of cells; Assemblies of constructional parts, e.g. electrode-diaphragm assemblies [2, 7]
1/02 • of hydrogen or oxygen [2]	9/02 • Holders for electrodes [2]
1/04 • • by electrolysis of water [2]	9/04 • Devices for current supply (electrical connections in general H01R); Electrode connections; Electric inter-cell connections [2]
1/06 • • • in cells with flat or plate-like electrodes [2]	9/06 • Cells comprising dimensionally-stable non-movable electrodes; Assemblies of constructional parts thereof [7]
1/08 • • • • of the filter-press type [2]	9/08 • • with diaphragms [7]
1/10 • • • in diaphragm cells [2]	9/10 • • • including an ion-exchange membrane in or on which electrode material is embedded [7]
1/12 • • • in pressure cells [2]	9/12 • Cells or assemblies of cells comprising at least one movable electrode, e.g. rotary electrodes; Assemblies of constructional parts thereof [7]
1/13 • of ozone [7]	9/14 • • Liquid electrodes, e.g. mercury electrodes [7]
1/14 • of alkali metal compounds [2]	9/16 • Cells or assemblies of cells comprising at least one electrode made of particles; Assemblies of constructional parts thereof [7]
1/16 • • Hydroxides [2]	9/18 • Assemblies comprising a plurality of cells (assemblies of cells with movable electrodes C25B 9/12; assemblies of cells with electrodes made of particles C25B 9/16) [7]
1/18 • of alkaline earth metal compounds or magnesium compounds [2]	9/20 • • of the filter-press type [7]
1/20 • • Hydroxides [2]	11/00 Electrodes; Manufacture thereof not otherwise provided for [2]
1/21 • of manganese oxides [7]	11/02 • characterised by shape or form [2]
1/22 • of inorganic acids [2]	11/03 • • perforated or foraminous [2]
1/24 • of halogens or compounds thereof [2]	11/04 • characterised by the material [2]
1/26 • • Chlorine; Compounds thereof [2]	11/06 • • by the catalytic materials used (catalysts in general B01J) [2]
1/28 • of per-compounds [2]	11/08 • • • Noble metals [2]
1/30 • • Peroxides [2]	11/10 • • Electrodes based on barrier-type metals, e.g. titanium [2]
1/32 • • Perborates [2]	11/12 • • Electrodes based on carbon (carbon masses in general C04B 35/52) [2]
1/34 • Simultaneous production of alkali metal hydroxides and chlorine, its oxyacids or salts [2]	11/14 • • • Impregnation of carbon electrodes (C25B 11/06 takes precedence) [2]
1/36 • • in mercury cathode cells [2]	11/16 • • Electrodes based on manganese dioxide or lead dioxide [2]
1/38 • • • with vertical mercury cathode [2]	11/18 • • Mercury or amalgam electrodes [2]
1/40 • • • with horizontal mercury cathode [2]	13/00 Diaphragms; Spacing elements [4]
1/42 • • • Decomposition of amalgams [2]	13/02 • characterised by form or shape [2]
1/44 • • • • with the aid of catalysts [2]	13/04 • characterised by the material [2]
1/46 • • in diaphragm cells [2]	
3/00 Electrolytic production of organic compounds [2]	
3/02 • by oxidation [2]	
3/04 • by reduction [2]	
3/06 • by halogenation [2]	
3/08 • • by fluorination [2]	
3/10 • by coupling reactions, e.g. dimerisation [2]	
3/12 • of organo-metallic compounds [2]	
5/00 Electrogenerative processes, i.e. processes for producing compounds in which simultaneously electricity is generated [2]	
7/00 Electrophoretic production of compounds or non-metals (separation or purification of peptides, e.g. of proteins, by electrophoresis C07K 1/26) [2]	

C25B

- 13/06 • • based on asbestos [2]
- 13/08 • • based on organic materials [2]
- 15/00 Operating or servicing of cells [2]**
- 15/02 • Process control or regulation (controlling or regulating in general G05) [2]
- 15/04 • Regulation of the inter-electrode distance (working of metal by the action of a high concentration of electric current B23H) [2]
- 15/06 • Detection or inhibition of short circuits in the cell [2]
- 15/08 • Supplying or removing reactants or electrolytes; Regeneration of electrolytes [2]