

C 25 B ELECTROLYTIC OR ELECTROPHORETIC PROCESSES FOR THE PRODUCTION OF COMPOUNDS OR NON-METALS; APPARATUS THEREFOR [2]

Notes

- (1) In this subclass, in the absence of an indication to the contrary, classification is made in the last appropriate place. [2]
 (2) Compounds of particular interest are also classified in the relevant classes, e.g. in C 01, C 07. [2]

- 1/00 Electrolytic production of inorganic compounds or non-metals [2]**
- 1/02 . of hydrogen or oxygen [2]
 1/04 . . by electrolysis of water [2]
 1/06 . . . in cells with flat or plate-like electrodes [2]
 1/08 of the filter-press type [2]
 1/10 . . . in diaphragm cells [2]
 1/12 . . . in pressure cells [2]
 1/13 . of ozone [7]
 1/14 . of alkali metal compounds [2]
 1/16 . . Hydroxides [2]
 1/18 . of alkaline earth metal compounds or magnesium compounds [2]
 1/20 . . Hydroxides [2]
 1/21 . of manganese oxides [7]
 1/22 . of inorganic acids [2]
 1/24 . of halogens or compounds thereof [2]
 1/26 . . Chlorine; Compounds thereof [2]
 1/28 . of per-compounds [2]
 1/30 . . Peroxides [2]
 1/32 . . Perborates [2]
 1/34 . Simultaneous production of alkali metal hydroxides and chlorine, its oxyacids or salts [2]
 1/36 . . in mercury cathode cells [2]
 1/38 . . . with vertical mercury cathode [2]
 1/40 . . . with horizontal mercury cathode [2]
 1/42 . . . Decomposition of amalgams [2]
 1/44 with the aid of catalysts [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 C 07 K 1/26) [2]**
- 9/00 Cells or assemblies of cells; Constructional parts of cells; Assemblies of constructional parts, e.g. electrode-diaphragm assemblies [2,7]**
- 9/02 . Holders for electrodes [2]
 9/04 . Devices for current supply (electrical connections in general H 01 R); Electrode connections; Electric inter-cell connections [2]
- 9/06 . Cells comprising dimensionally-stable non-movable electrodes; Assemblies of constructional parts thereof [7]
 9/08 . . with diaphragms [7]
 9/10 . . . including an ion-exchange membrane in or on which electrode material is embedded [7]
 9/12 . Cells or assemblies of cells comprising at least one movable electrode, e.g. rotary electrodes; Assemblies of constructional parts thereof [7]
 9/14 . . Liquid electrodes, e.g. mercury electrodes [7]
 9/16 . Cells or assemblies of cells comprising at least one electrode made of particles; Assemblies of constructional parts thereof [7]
 9/18 . Assemblies comprising a plurality of cells (assemblies of cells with movable electrodes 9/12; assemblies of cells with electrodes made of particles 9/16) [7]
 9/20 . . of the filter-press type [7]
- 11/00 Electrodes; Manufacture thereof not otherwise provided for [2]**
- 11/02 . characterised by shape or form [2]
 11/03 . . perforated or foraminous [2]
 11/04 . characterised by the material [2]
 11/06 . . by the catalytic materials used (catalysts in general B 01 J) [2]
 11/08 . . . Noble metals [2]
 11/10 . . Electrodes based on barrier-type metals, e.g. titanium [2]
 11/12 . . Electrodes based on carbon (carbon masses in general C 04 B 35/52) [2]
 11/14 . . . Impregnation of carbon electrodes (11/06 takes precedence) [2]
 11/16 . . Electrodes based on manganese dioxide or lead dioxide [2]
 11/18 . . Mercury or amalgam electrodes [2]
 11/20 (transferred to 9/10)
- 13/00 Diaphragms; Spacing elements [4]**
- 13/02 . characterised by form or shape [2]
 13/04 . characterised by the material [2]
 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 G 05) [2]
 15/04 . Regulation of the inter-electrode distance (working of metal by the action of a high concentration of electric current B 23 H) [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]

