

C25 ELECTROLYTIC OR ELECTROPHORETIC PROCESSES; APPARATUS THEREFOR (electrodialysis, electro-osmosis, separation of liquids by electricity B01D; working of metal by the action of a high concentration of electric current B23H; treatment of water, waste water or sewage by electrochemical methods C02F 1/46; surface treatment of metallic material or coating involving at least one process provided for in class C23 and at least one process covered by this class C23C 28/00, C23F 17/00; anodic or cathodic protection C23F; single-crystal growth C30B; metallising textiles D06M 11/83; decorating textiles by locally metallising D06Q 1/04; electrochemical methods of analysis G01N; electrochemical measuring, indicating or recording devices G01R; electrolytic circuit elements, e.g. capacitors, H01G; electrochemical current or voltage generators H01M) [4]

C25B ELECTROLYTIC OR ELECTROPHORETIC PROCESSES FOR THE PRODUCTION OF COMPOUNDS OR NON-METALS; APPARATUS THEREFOR [2]

- (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 C01, C07. [2]

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

- 11/16 . . Electrodes based on manganese dioxide or lead dioxide [2]
- 11/18 . . Mercury or amalgam electrodes [2]
- 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 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]