

CPC COOPERATIVE PATENT CLASSIFICATION

C CHEMISTRY; METALLURGY

(NOTES omitted)

METALLURGY

C25 ELECTROLYTIC OR ELECTROPHORETIC PROCESSES; APPARATUS THEREFOR

(electrodialysis, electro-osmosis, separation of liquids by electricity [B01D](#); { separation of isotopes by electrochemical methods [B01D 59/38](#)}; 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](#))

(NOTES omitted)

C25C PROCESSES FOR THE ELECTROLYTIC PRODUCTION, RECOVERY OR REFINING OF METALS; APPARATUS THEREFOR

1/00	Electrolytic production, recovery or refining of metals by electrolysis of solutions (C25C 5/00 takes precedence)	3/20	. . Automatic control or regulation of cells (controlling or regulating in general G05)
1/02	. of light metals	3/22	. . Collecting emitted gases
1/04	. . in mercury cathode cells	3/24	. . Refining
1/06	. or iron group metals, refractory metals or manganese	3/26	. of titanium, zirconium, hafnium, tantalum or vanadium
1/08	. . of nickel or cobalt	3/28	. . of titanium
1/10	. . of chromium or manganese	3/30	. of manganese
1/12	. of copper	3/32	. of chromium
1/14	. of tin	3/34	. of metals not provided for in groups C25C 3/02 - C25C 3/32
1/16	. of zinc, cadmium or mercury	3/36	. Alloys obtained by cathodic reduction of all their ions
1/18	. of lead		
1/20	. of noble metals	5/00	Electrolytic production, recovery or refining of metal powders or porous metal masses
1/22	. of metals not provided for in groups C25C 1/02 - C25C 1/20	5/02	. from solutions
1/24	. Alloys obtained by cathodic reduction of all their ions	5/04	. from melts
3/00	Electrolytic production, recovery or refining of metals by electrolysis of melts (C25C 5/00 takes precedence)	7/00	Constructional parts, or assemblies thereof, of cells; Servicing or operating of cells (for the production of aluminium C25C 3/06 - C25C 3/22)
3/02	. of alkali or alkaline earth metals	7/002	. {of cells comprising at least an electrode made of particles (C25C 7/005 , C25C 7/02 - C25C 7/06 take precedence)}
3/04	. of magnesium	7/005	. {of cells for the electrolysis of melts (C25C 7/02 - C25C 7/06 take precedence)}
3/06	. of aluminium	7/007	. {of cells comprising at least a movable electrode (C25C 7/002 , C25C 7/02 - C25C 7/06 take precedence)}
3/08	. . Cell construction, e.g. bottoms, walls, cathodes	7/02	. Electrodes (consumable anodes for the refining the metals C25C 1/00 - C25C 5/00); Connections thereof
3/085	. . . {characterised by its non electrically conducting heat insulating parts}	7/025	. . {used in cells for the electrolysis of melts}
3/10	. . . External supporting frames or structures	7/04	. Diaphragms; Spacing elements
3/12	. . . Anodes		
3/125 {based on carbon}		
3/14	. . Devices for feeding or crust breaking		
3/16	. . Electric current supply devices, e.g. bus bars		
3/18	. . Electrolytes		

C25C

- 7/06 . Operating or servicing
- 7/08 . . Separating of deposited metals from the cathode