

CPC**COOPERATIVE PATENT CLASSIFICATION****C25C****PROCESSES FOR THE ELECTROLYTIC PRODUCTION, RECOVERY OR REFINING OF METALS; APPARATUS THEREFOR****Guidance heading:****C25C 1/00** **Electrolytic production, recovery or refining of metals by electrolysis of solutions**
([C25C 5/00](#) takes precedence)

- C25C 1/02 . of light metals
- C25C 1/04 . . in mercury cathode cells
- C25C 1/06 . of iron group metals, refractory metals or manganese
- C25C 1/08 . . of nickel or cobalt
- C25C 1/10 . . of chromium or manganese
- C25C 1/12 . of copper
- C25C 1/14 . of tin
- C25C 1/16 . of zinc, cadmium or mercury
- C25C 1/18 . of lead
- C25C 1/20 . of noble metals
- C25C 1/22 . of metals not provided for in groups [C25C 1/02](#) to [C25C 1/20](#)
- C25C 1/24 . Alloys obtained by cathodic reduction of all their ions

C25C 3/00 **Electrolytic production, recovery or refining of metals by electrolysis of melts**
([C25C 5/00](#) takes precedence)

- C25C 3/02 . of alkali or alkaline earth metals
- C25C 3/04 . of magnesium
- C25C 3/06 . of aluminium
- C25C 3/08 . . Cell construction, e.g. bottoms, walls, cathodes
- C25C 3/085 . . . {characterised by its non electrically conducting heat insulating parts }
- C25C 3/10 . . . External supporting frames or structures
- C25C 3/12 . . . Anodes
- C25C 3/125 {based on carbon }
- C25C 3/14 . . Devices for feeding or crust breaking
- C25C 3/16 . . Electric current supply devices, e.g. bus bars

C25C 3/18	. . Electrolytes
C25C 3/20	. . Automatic control or regulation of cells (controlling or regulating in general G05)
C25C 3/22	. . Collecting emitted gases
C25C 3/24	. . Refining
C25C 3/26	. of titanium, zirconium, hafnium, tantalum or vanadium
C25C 3/28	. . of titanium
C25C 3/30	. of manganese
C25C 3/32	. of chromium
C25C 3/34	. of metals not provided for in groups C25C 3/02 to C25C 3/32
C25C 3/36	. Alloys obtained by cathodic reduction of all their ions
C25C 5/00	Electrolytic production, recovery or refining of metal powders or porous metal masses
C25C 5/02	. from solutions
C25C 5/04	. from melts
C25C 7/00	Constructional parts, or assemblies thereof, of cells; Servicing or operating of cells (for the production of aluminium C25C 3/06 to C25C 3/22)
C25C 7/002	. { of cells comprising at least an electrode made of particles (C25C 7/005, C25C 7/02 to C25C 7/06 take precedence) }
C25C 7/005	. { of cells for the electrolysis of melts (C25C 7/02 to C25C 7/06 take precedence) }
C25C 7/007	. { of cells comprising at least a movable electrode (C25C 7/002, C25C 7/02 to C25C 7/06 take precedence) }
C25C 7/02	. Electrodes (consumable anodes for the refining the metals C25C 1/00 to C25C 5/00) ; Connections thereof
C25C 7/025	. . { used in cells for the electrolysis of melts }
C25C 7/04	. Diaphragms; Spacing elements
C25C 7/06	. Operating or servicing
C25C 7/08	. . Separating of deposited metals from the cathode