

CPC**COOPERATIVE PATENT CLASSIFICATION****C25C****PROCESSES FOR THE ELECTROLYTIC PRODUCTION, RECOVERY OR REFINING OF METALS; APPARATUS THEREFOR****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](#) . or 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