

# CPC COOPERATIVE PATENT CLASSIFICATION

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