

## SECTION C — CHEMISTRY; METALLURGY

### C25 ELECTROLYTIC OR ELECTROPHORETIC PROCESSES; APPARATUS THEREFOR

#### C25C PROCESSES FOR THE ELECTROLYTIC PRODUCTION, RECOVERY OR REFINING OF METALS; APPARATUS THEREFOR (anodic or cathodic protection C23F 13/00; single-crystal growth C30B) [2]

**1/00 Electrolytic production, recovery or refining of metals by electrolysis of solutions** (C25C 5/00 takes precedence) [2]

- 1/02 • of light metals [2]
- 1/04 • • in mercury cathode cells [2]
- 1/06 • of iron group metals, refractory metals or manganese [2]
- 1/08 • • of nickel or cobalt [2]
- 1/10 • • of chromium or manganese [2]
- 1/12 • of copper [2]
- 1/14 • of tin [2]
- 1/16 • of zinc, cadmium or mercury [2]
- 1/18 • of lead [2]
- 1/20 • of noble metals [2]
- 1/22 • of metals not provided for in groups C25C 1/02-C25C 1/20 [2]
- 1/24 • Alloys obtained by cathodic reduction of all their ions [2]

**3/00 Electrolytic production, recovery or refining of metals by electrolysis of melts** (C25C 5/00 takes precedence) [2]

- 3/02 • of alkali or alkaline earth metals [2]
- 3/04 • of magnesium [2]
- 3/06 • of aluminium [2]
- 3/08 • • Cell construction, e.g. bottoms, walls, cathodes [2]
- 3/10 • • • External supporting frames or structures [2]
- 3/12 • • • Anodes [2]
- 3/14 • • Devices for feeding or crust breaking [2]
- 3/16 • • Electric current supply devices, e.g. bus bars [2]

- 3/18 • • Electrolytes [2]
- 3/20 • • Automatic control or regulation of cells (controlling or regulating in general G05) [2]
- 3/22 • • Collecting emitted gases [2]
- 3/24 • • Refining [2]
- 3/26 • of titanium, zirconium, hafnium, tantalum or vanadium [2]
- 3/28 • • of titanium [2]
- 3/30 • of manganese [2]
- 3/32 • of chromium [2]
- 3/34 • of metals not provided for in groups C25C 3/02-C25C 3/32 [2]
- 3/36 • Alloys obtained by cathodic reduction of all their ions [2]

**5/00 Electrolytic production, recovery or refining of metal powders or porous metal masses** [2]

- 5/02 • from solutions [2]
- 5/04 • from melts [2]

**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) [2]

- 7/02 • Electrodes (consumable anodes for the refining of metals C25C 1/00-C25C 5/00); Connections thereof [2]
- 7/04 • Diaphragms; Spacing elements [2]
- 7/06 • Operating or servicing [2]
- 7/08 • • Separating of deposited metals from the cathode [2]