

ECLA**EUROPEAN CLASSIFICATION****C25C****PROCESSES FOR THE ELECTROLYTIC PRODUCTION, RECOVERY OR REFINING OF METALS; APPARATUS THEREFOR****C25C1/00**

Electrolytic production, recovery or refining of metals by electrolysis of solutions
[\(C25C5/00 takes precedence\)](#)

C25C1/02

- of light metals

C25C1/04

- in mercury cathode cells

C25C1/06

- of iron group metals, refractory metals or manganese

C25C1/08

- of nickel or cobalt

C25C1/10

- of chromium or manganese

C25C1/12

- of copper

C25C1/14

- of tin

C25C1/16

- of zinc, cadmium or mercury

C25C1/18

- of lead

C25C1/20

- of noble metals

C25C1/22

- of metals not provided for in groups [C25C1/02](#) to [C25C1/20](#)

C25C1/24

- Alloys obtained by cathodic reduction of all their ions

C25C3/00

Electrolytic production, recovery or refining of metals by electrolysis of melts
[\(C25C5/00 takes precedence\)](#)

C25C3/02

- of alkali or alkaline earth metals

C25C3/04

- of magnesium

C25C3/06

- of aluminium

C25C3/08

- Cell construction, e.g. bottoms, walls, cathodes

C25C3/08B

- [\[N: characterised by its non electrically conducting heat insulating parts\]](#)

C25C3/10

- External supporting frames or structures

C25C3/12

- Anodes

C25C3/12B

- [\[N: based on carbon\]](#)

C25C3/14

- Devices for feeding or crust breaking

C25C3/16

- Electric current supply devices, e.g. bus bars

C25C3/18

- Electrolytes

C25C3/20

- Automatic control or regulation of cells ([controlling or regulating in general G05](#))

- C25C3/22 . . Collecting emitted gases
- C25C3/24 . . Refining
- C25C3/26 . of titanium, zirconium, hafnium, tantalum or vanadium
- C25C3/28 . . of titanium
- C25C3/30 . of manganese
- C25C3/32 . of chromium
- C25C3/34 . of metals not provided for in groups [C25C3/02](#) to [C25C3/32](#)
- C25C3/36 . Alloys obtained by cathodic reduction of all their ions
- C25C5/00** **Electrolytic production, recovery or refining of metal powders or porous metal masses**
- C25C5/02 . from solutions
- C25C5/04 . from melts
- C25C7/00** **Constructional parts, or assemblies thereof, of cells; Servicing or operating of cells (for the production of aluminium [C25C3/06](#) to [C25C3/22](#))**
- C25C7/00B . [N: of cells comprising at least an electrode made of particles ([C25C7/00D](#), [C25C7/02](#) to [C25C7/06](#) take precedence)]
- C25C7/00D . [N: of cells for the electrolysis of melts ([C25C7/02](#) to [C25C7/06](#) take precedence)]
- C25C7/00F . [N: of cells comprising at least a movable electrode ([C25C7/00B](#), [C25C7/02](#) to [C25C7/06](#) take precedence)] [N9503]
- C25C7/02 . Electrodes (consumable anodes for the refining the metals [C25C1/00](#) to [C25C5/00](#)); Connections thereof
- C25C7/02D . . [N: used in cells for the electrolysis of melts]
- C25C7/04 . Diaphragms; Spacing elements
- C25C7/06 . Operating or servicing
- C25C7/08 . . Separating of deposited metals from the cathode