

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	<ul style="list-style-type: none"> • of chromium
C25C 3/34	<ul style="list-style-type: none"> • of metals not provided for in groups C25C 3/02 to C25C 3/32
C25C 3/36	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • from solutions
C25C 5/04	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • {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	<ul style="list-style-type: none"> • {of cells for the electrolysis of melts (C25C 7/02 to C25C 7/06 take precedence)}
C25C 7/007	<ul style="list-style-type: none"> • {of cells comprising at least a movable electrode (C25C 7/002, C25C 7/02 to C25C 7/06 take precedence)}
C25C 7/02	<ul style="list-style-type: none"> • Electrodes (consumable anodes for the refining the metals C25C 1/00 to C25C 5/00); Connections thereof
C25C 7/025	<ul style="list-style-type: none"> • . {used in cells for the electrolysis of melts}
C25C 7/04	<ul style="list-style-type: none"> • Diaphragms; Spacing elements
C25C 7/06	<ul style="list-style-type: none"> • Operating or servicing
C25C 7/08	<ul style="list-style-type: none"> • . Separating of deposited metals from the cathode