

**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	<ul style="list-style-type: none"> <li>of metals not provided for in groups <a href="#">C25C 3/02</a> to <a href="#">C25C 3/32</a></li> </ul>
C25C 3/36	<ul style="list-style-type: none"> <li>Alloys obtained by cathodic reduction of all their ions</li> </ul>
<b>C25C 5/00</b>	<b>Electrolytic production, recovery or refining of metal powders or porous metal masses</b>
C25C 5/02	<ul style="list-style-type: none"> <li>from solutions</li> </ul>
C25C 5/04	<ul style="list-style-type: none"> <li>from melts</li> </ul>
<b>C25C 7/00</b>	<b>Constructional parts, or assemblies thereof, of cells; Servicing or operating of cells (for the production of aluminium <a href="#">C25C 3/06</a> to <a href="#">C25C 3/22</a>)</b>
C25C 7/002	<ul style="list-style-type: none"> <li>{of cells comprising at least an electrode made of particles (<a href="#">C25C 7/005</a>, <a href="#">C25C 7/02</a> to <a href="#">C25C 7/06</a> take precedence)}</li> </ul>
C25C 7/005	<ul style="list-style-type: none"> <li>{of cells for the electrolysis of melts (<a href="#">C25C 7/02</a> to <a href="#">C25C 7/06</a> take precedence)}</li> </ul>
C25C 7/007	<ul style="list-style-type: none"> <li>{of cells comprising at least a movable electrode (<a href="#">C25C 7/002</a>, <a href="#">C25C 7/02</a> to <a href="#">C25C 7/06</a> take precedence)}</li> </ul>
C25C 7/02	<ul style="list-style-type: none"> <li>Electrodes (consumable anodes for the refining the metals <a href="#">C25C 1/00</a> to <a href="#">C25C 5/00</a>); Connections thereof</li> </ul>
C25C 7/025	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{used in cells for the electrolysis of melts}</li> </ul> </li> </ul>
C25C 7/04	<ul style="list-style-type: none"> <li>Diaphragms; Spacing elements</li> </ul>
C25C 7/06	<ul style="list-style-type: none"> <li>Operating or servicing</li> </ul>
C25C 7/08	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Separating of deposited metals from the cathode</li> </ul> </li> </ul>