# **CPC** COOPERATIVE PATENT CLASSIFICATION

## C CHEMISTRY; METALLURGY

(NOTES omitted)

### **METALLURGY**

#### C25 ELECTROLYTIC OR ELECTROPHORETIC PROCESSES; APPARATUS THEREFOR (NOTES omitted)

# C25C PROCESSES FOR THE ELECTROLYTIC PRODUCTION, RECOVERY OR REFINING OF METALS; APPARATUS THEREFOR

#### WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00	Electrolytic production, recovery or refining of metals by electrolysis of solutions (C25C 5/00 takes	3/34	of metals not provided for in groups $\underline{C25C 3/02} - \underline{C25C 3/32}$
	precedence)	3/36	• Alloys obtained by cathodic reduction of all their
1/02	• of light metals		ions
1/04	in mercury cathode cells	= 10.0	
1/06	• or iron group metals, refractory metals or	5/00	Electrolytic production, recovery or refining of
	manganese	5/02	metal powders or porous metal masses
1/08	• • of nickel or cobalt	5/02	• from solutions
1/10	• • of chromium or manganese	5/04	. from melts
1/12	• of copper	7/00	Constructional parts, or assemblies thereof,
1/14	• of tin		of cells; Servicing or operating of cells (for the
1/16	• of zinc, cadmium or mercury		production of aluminium C25C 3/06 - C25C 3/22)
1/18	• of lead	7/002	• {of cells comprising at least an electrode made of
1/20	• of noble metals		particles ( <u>C25C 7/005</u> , <u>C25C 7/02</u> - <u>C25C 7/06</u> take
1/22	• of metals not provided for in groups		precedence)}
	<u>C25C 1/02</u> - <u>C25C 1/20</u>	7/005	• {of cells for the electrolysis of melts
1/24	Alloys obtained by cathodic reduction of all their	<b>=</b> (0.0 <b>=</b>	$(\underline{C25C 7/02} - \underline{C25C 7/06} \text{ take precedence})$
	ions	7/007	• {of cells comprising at least a movable electrode
3/00	Electrolytic production, recovery or refining of		( <u>C25C 7/002, C25C 7/02</u> - <u>C25C 7/06</u> take precedence)}
5/00	metals by electrolysis of melts ( <u>C25C 5/00</u> takes	7/02	• Electrodes (consumable anodes for the refining
	precedence)	1/02	the metals <u>C25C 1/00</u> - <u>C25C 5/00</u> ); Connections
3/02	• of alkali or alkaline earth metals		thereof
3/04	• of magnesium	7/025	• {used in cells for the electrolysis of melts}
3/06	• of aluminium	7/04	• Diaphragms; Spacing elements
3/08	• Cell construction, e.g. bottoms, walls, cathodes	7/06	• Operating or servicing
3/085	• • • {characterised by its non electrically	7/08	• Separating of deposited metals from the cathode
	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		