

CPC COOPERATIVE PATENT CLASSIFICATION

C CHEMISTRY; METALLURGY

(NOTES omitted)

METALLURGY

C23 COATING METALLIC MATERIAL; COATING MATERIAL WITH METALLIC MATERIAL; CHEMICAL SURFACE TREATMENT; DIFFUSION TREATMENT OF METALLIC MATERIAL; COATING BY VACUUM EVAPORATION, BY SPUTTERING, BY ION IMPLANTATION OR BY CHEMICAL VAPOUR DEPOSITION, IN GENERAL; INHIBITING CORROSION OF METALLIC MATERIAL OR INCRUSTATION IN GENERAL

(NOTES omitted)

C23G CLEANING OR DEGREASING OF METALLIC MATERIAL BY CHEMICAL METHODS OTHER THAN ELECTROLYSIS ([polishing compositions C09G](#); [detergents in general C11D](#))

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.

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| <p>1/00 Cleaning or pickling metallic material with solutions or molten salts (with organic solvents C23G 5/02)</p> <p>1/02 . with acid solutions</p> <p>1/025 . . {acidic pickling pastes}</p> <p>1/04 . . using inhibitors</p> <p>1/06 . . . organic inhibitors</p> <p style="padding-left: 40px;">NOTE</p> <p style="padding-left: 80px;">In groups C23G 1/061 - C23G 1/068 an invention is classified in the last appropriate place</p> <p>1/061 {nitrogen-containing compounds}</p> <p>1/063 {heterocyclic compounds}</p> <p>1/065 {sulfur-containing compounds}</p> <p>1/066 {phosphorus-containing compounds}</p> <p>1/068 {compounds containing a C=C bond}</p> <p>1/08 . . Iron or steel</p> <p style="padding-left: 40px;">NOTE</p> <p style="padding-left: 80px;">In groups C23G 1/081 - C23G 1/088 an invention is classified in the last appropriate place</p> <p>1/081 . . . {solutions containing H₂SO₄}</p> <p>1/083 . . . {solutions containing H₃PO₄}</p> <p>1/085 . . . {solutions containing HNO₃}</p> <p>1/086 . . . {solutions containing HF}</p> <p>1/088 . . . {solutions containing organic acids}</p> <p>1/10 . . Other heavy metals</p> <p>1/103 . . . {copper or alloys of copper}</p> <p>1/106 . . . {refractory metals}</p> <p>1/12 . . Light metals</p> <p>1/125 . . . {aluminium}</p> <p>1/14 . with alkaline solutions</p> | <p>1/16 . . using inhibitors</p> <p>1/18 . . . Organic inhibitors</p> <p>1/19 . . Iron or steel</p> <p>1/20 . . Other heavy metals</p> <p>1/205 . . . {refractory metals}</p> <p>1/22 . . Light metals</p> <p>1/24 . with neutral solutions</p> <p>1/26 . . using inhibitors</p> <p>1/28 . with molten salts</p> <p>1/30 . . using inhibitors</p> <p>1/32 . . Heavy metals</p> <p>1/34 . . Light metals</p> <p>1/36 . Regeneration of waste pickling liquors</p> <p>3/00 Apparatus for cleaning or pickling metallic material (with organic solvents C23G 5/04 ; apparatus for continuously conveying articles into baths B65G)</p> <p>3/02 . for cleaning wires, strips, filaments continuously</p> <p>3/021 . . {by dipping}</p> <p>3/022 . . . {the objects following a helicoidal path}</p> <p>3/023 . . {by spraying}</p> <p>3/024 . . {by a combination of dipping and spraying}</p> <p>3/025 . . {Details of the apparatus, e.g. linings or sealing means}</p> <p>3/026 . . . {for guiding the objects}</p> <p>3/027 . . {Associated apparatus, e.g. for pretreating or after-treating}</p> <p>3/028 . . . {for thermal or mechanical pretreatment}</p> <p>3/029 . . . {for removing the pickling fluid from the objects}</p> <p>3/04 . for cleaning pipes</p> |
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5/00 Cleaning or de-greasing metallic material by other methods; Apparatus for cleaning or de-greasing metallic material with organic solvents

NOTE

Mixtures of organic solvents are classified according to the major component

- 5/02 . using organic solvents
- 5/024 . . containing hydrocarbons
- 5/028 . . containing halogenated hydrocarbons
- 5/02803 . . . {containing fluorine}
- 5/02806 . . . {containing only chlorine as halogen atom}
- 5/02809 . . . {containing chlorine and fluorine}
- 5/02812 {Perhalogenated hydrocarbons}
- 5/02816 {Ethanes}
- 5/02819 {C₂Cl₃F₃}
- 5/02822 {C₂Cl₄F₂}
- 5/02825 {containing hydrogen}
- 5/02829 {Ethanes}
- 5/02832 {C₂H₃Cl₂F}
- 5/02835 {C₂H₂Cl₂F₂}
- 5/02838 {C₂HCl₂F₃}
- 5/02841 {Propanes}
- 5/02845 {C₃H₃ClF₄}
- 5/02848 {C₂H₂Cl₂F₄}
- 5/02851 {C₂HCl₂F₅}
- 5/02854 . . . {characterised by the stabilising or corrosion inhibiting additives}
- 5/02858 {Hydrocarbons}
- 5/02861 {Oxygen-containing compounds}
- 5/02864 {Alcohols}
- 5/02867 {aliphatic}
- 5/0287 {aromatic}
- 5/02874 {Aldehydes or ketones}
- 5/02877 {Ethers}
- 5/0288 {Epoxy compounds}
- 5/02883 {Nitrogen-containing compounds}
- 5/02887 {Nitro-compounds}
- 5/0289 {N-heterocyclics}
- 5/02893 {Sulfur-containing compounds}
- 5/02896 {Phosphorus-containing compounds}
- 5/032 . . containing oxygen-containing compounds
- 5/036 . . . having also nitrogen
- 5/04 . . Apparatus
- 5/06 . using emulsions