

Title (en)

SILVER-CORROSION PROTECTION AGENT (I)

Title (de)

SILBERKORROSIONSSCHUTZMITTEL I

Title (fr)

PRODUIT I DE PROTECTION DE L'ARGENT CONTRE LA CORROSION

Publication

**EP 0697035 B1 19980211 (DE)**

Application

**EP 94916181 A 19940502**

Priority

- DE 4315397 A 19930508
- DE 4325922 A 19930802
- EP 9401386 W 19940502

Abstract (en)

[origin: WO9426859A1] The invention concerns the use of inorganic redox compounds, in particular salts and/or complexes of metals selected from the group comprising Mn, Ti, Zr, Hf, V, Co, and Ce, as silver-corrosion protection agents in dishwasher washing-up agents, in particular low-alkali dishwasher washing-up agents.

IPC 1-7

**C11D 3/00; C11D 3/12; C11D 3/02; C11D 3/04; C11D 3/20; C11D 3/36**

IPC 8 full level

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CPC (source: EP)

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**C11D 3/1213** (2013.01); **C11D 3/122** (2013.01); **C11D 3/2072** (2013.01); **C11D 3/2079** (2013.01); **C11D 3/2086** (2013.01); **C11D 3/349** (2013.01);  
**C11D 3/361** (2013.01); **C11D 17/0039** (2013.01); **C11D 17/0091** (2013.01); **C11D 17/065** (2013.01); **C11D 3/2058** (2013.01);  
**C11D 3/3472** (2013.01)

Cited by

EP2966161A1; EP3754003A1; EP3190168A1; WO2008075084A1; EP3075832A1; EP3053997A1; WO2016124619A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL PT SE

DOCDB simple family (publication)

**WO 9426859 A1 19941124**; AT E163191 T1 19980215; CA 2162460 A1 19941124; CZ 234895 A3 19960117; CZ 286401 B6 20000412;  
DE 59405259 D1 19980319; DK 0697035 T3 19980928; EP 0697035 A1 19960221; EP 0697035 B1 19980211; ES 2112542 T3 19980401;  
JP H08509777 A 19961015; PL 177936 B1 20000131; PL 311594 A1 19960219

DOCDB simple family (application)

**EP 9401386 W 19940502**; AT 94916181 T 19940502; CA 2162460 A 19940502; CZ 234895 A 19940502; DE 59405259 T 19940502;  
DK 94916181 T 19940502; EP 94916181 A 19940502; ES 94916181 T 19940502; JP 52488794 A 19940502; PL 31159494 A 19940502