

Title (en)

LAYER SYSTEM FOR PROTECTING LIGHT METALS AND LIGHT METAL ALLOYS AGAINST CORROSION

Title (de)

SCHICHTSYSTEM ZUM KORROSIONSSCHUTZ VON LEICHTMETALLEN UND LEICHTMETALLLEGIERUNGEN

Title (fr)

SYSTEME STRATIFIE SERVANT A PROTEGER DES METAUX LEGERES ET DES ALLIAGES LEGERES CONTRE LA CORROSION

Publication

**EP 1090165 A2 20010411 (DE)**

Application

**EP 99927765 A 19990526**

Priority

- DE 19823950 A 19980528
- EP 9903639 W 19990526

Abstract (en)

[origin: DE19924687A1] The system includes a light metal substrate (1) coated on at least one surface with a protective layer (3) including microparticles (4) containing a fluid active ingredient. Independent claims are also included for use of the protective system in: a) the automobile and sanitary industries and b) with an aluminum substrate for production of aluminum car wheels.

IPC 1-7

**C25D 15/02**; **C25D 5/14**; **C23C 18/16**

IPC 8 full level

**C23C 18/16** (2006.01); **C23C 28/00** (2006.01); **C23C 28/02** (2006.01); **C23C 30/00** (2006.01); **C23F 11/00** (2006.01); **C25D 15/02** (2006.01); **C25D 5/14** (2006.01)

CPC (source: EP US)

**C23C 18/165** (2013.01 - EP); **C23C 18/1662** (2013.01 - EP); **C23C 28/021** (2013.01 - EP US); **C23C 28/023** (2013.01 - EP); **C23C 28/025** (2013.01 - EP); **C23C 30/00** (2013.01 - EP); **C23F 11/00** (2013.01 - EP); **C25D 15/02** (2013.01 - EP); **C25D 5/14** (2013.01 - EP US); **C25D 5/611** (2020.08 - EP US); **C25D 5/627** (2020.08 - EP US)

Citation (search report)

See references of WO 9961182A2

Cited by

CN106189821A; US10160005B2; US10967398B2

Designated contracting state (EPC)

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