Title (en)
CORROSION-RESISTANT SUBSTRATE AND METHOD FOR ITS PRODUCTION

Title (de)
KORROSIONSBESTÄNDIGES SUBSTRAT UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
SUBSTRAT ANTICORROSIF ET SON PROCEDE DE FABRICATION

Publication
EP 1987172 A2 20081105 (DE)

Application
EP 07711200 A 20070222

Priority
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Abstract (en)
[origin: WO2007095927A2] A corrosion-resistant substrate is coated with a Cr(VI)-free corrosion-resistant two-layered coating. The substrate substantially consists of aluminium, an aluminium alloy, magnesium or a magnesium alloy. A first, wet-chemically applied inorganic passivation layer is arranged directly on the substrate and a second, organically modified polysiloxane layer, which has nanoscale particles, is arranged directly on the passivation layer.

IPC 8 full level
C23C 22/56 (2006.01); **B05D 7/00** (2006.01); **C23C 22/57** (2006.01); **C23C 22/74** (2006.01); **C23C 22/83** (2006.01); **C23C 28/00** (2006.01)

CPC (source: EP US)
B05D 7/16 (2013.01 - EP US); **C23C 22/56** (2013.01 - EP US); **C23C 22/57** (2013.01 - EP US); **C23C 22/74** (2013.01 - EP US); **C23C 22/83** (2013.01 - EP US); **C23C 28/00** (2013.01 - EP US); **F01N 13/16** (2013.01 - EP US); B05D 7/51 (2013.01 - EP US); B05D 2202/25 (2013.01 - EP US); B05D 2518/10 (2013.01 - EP US); C23C 2222/20 (2013.01 - EP US); F01N 2510/08 (2013.01 - EP US); Y10T 428/25 (2015.01 - EP US); Y10T 428/265 (2015.01 - EP US); Y10T 428/273 (2015.01 - EP US); Y10T 428/31551 (2015.04 - EP US); Y10T 428/31663 (2015.04 - EP US)

Citation (search report)
See references of WO 2007095927A2

Designated contracting state (EPC)
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