

Title (en)
PROCESS FOR DEP TSOLS INTO MICROPOROUS COATING LAYERS

Title (de)
VERFAHREN ZUR EINLAGERUNG VON SOLEN IN MIKROPORÖSE DECKSCHICHTEN

Title (fr)
PROCEDE DE DEPOT DE SOLS DANS DES COUCHES MICROPOREUSES DE REVETEMENT

Publication
EP 0842309 A1 19980520 (DE)

Application
EP 96922737 A 19960702

Priority
• DE 9601188 W 19960702
• DE 19527688 A 19950728

Abstract (en)
[origin: WO9705302A1] A process is disclosed for treating microporous coating layers deposited by anodic oxidation or plasmachemical anodic oxidation on objects made of aluminium, magnesium, titanium or their alloys. The process is useful to permanently seal the microporous coating layer and thus to protect the base material against corrosion and wear. For that purpose, silicic acid in the form of a silicic acid lyosol is deposited into the pores or capillaries of the microporous coating layer. In the silicic acid lyosol, the colloiddally distributed SiO₂ particles have at least one dimension smaller than the diameter of the pores or capillaries. The sol thus deposited into the pores is then coagulated or made to react with the coating layer.

IPC 1-7
C25D 11/18; **C25D 11/30**

IPC 8 full level
C25D 11/18 (2006.01); **C25D 11/24** (2006.01); **C25D 11/30** (2006.01)

CPC (source: EP)
C25D 11/18 (2013.01); **C25D 11/30** (2013.01); **C25D 11/024** (2013.01); **C25D 11/026** (2013.01)

Cited by
DE102017207589A1; US8747641B2

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9705302 A1 19970213; AT E212075 T1 20020215; AU 6352796 A 19970226; DE 19680596 C1 20010823; DE 19680596 D2 19970918; DE 29680628 U1 19981105; DE 59608600 D1 20020221; EP 0842309 A1 19980520; EP 0842309 A4 19960930; EP 0842309 B1 20020116; ES 2168491 T3 20020616; PT 842309 E 20020731

DOCDB simple family (application)
DE 9601188 W 19960702; AT 96922737 T 19960702; AU 6352796 A 19960702; DE 19680596 A 19960702; DE 29680628 U 19960702; DE 59608600 T 19960702; EP 96922737 A 19960702; ES 96922737 T 19960702; PT 96922737 T 19960702