

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  
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• 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 SiO<sub>2</sub> 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.

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