

Title (en)  
PROCESS FOR SEALING PHOSPHORIC ACID ANODIZED ALUMINUMS

Title (de)  
VERFAHREN ZUM VERSIEGELN VON MIT PHOSPHORSÄURE ANODISIERTEM ALUMINIUM

Title (fr)  
PROCEDE D'ETANCHEIFICATION D'ALUMINIUM ANODISE A L'ACIDE PHOSPHORIQUE

Publication  
**EP 1853750 B1 20110420 (EN)**

Application  
**EP 05851693 A 20051114**

Priority  
• US 2005041425 W 20051114  
• US 5853305 A 20050215

Abstract (en)  
[origin: WO2006088520A2] Process of seal coating phosphoric acid anodized aluminum and aluminum alloys to improve the corrosion resistance and maintain the adhesive bonding properties. The process comprises post-treating phosphoric acid anodized aluminum and its alloys with an acidic aqueous solution comprising, per liter of acidic solution, from about 0.01 to 22 grams of a water soluble trivalent chromium compound, about 0.01 to 12 grams of an alkali metal hexafluorozirconate, about 0.0 to 12 grams of at least one alkali metal tetrafluorosilicate and/or an alkali metal hexafluoroborate, from about 0.001 to 10 grams of at least one water soluble divalent zinc compound and from 0.0 to 10 grams of a water soluble thickener and/or water soluble surfactant.

IPC 8 full level  
**C25D 11/24** (2006.01); **C23C 22/34** (2006.01); **C23C 22/83** (2006.01)

CPC (source: EP KR US)  
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