

Title (en)

LOW SLUDGING COMPOSITION AND PROCESS FOR TREATING ALUMINUM AND ITS ALLOYS

Title (de)

AUSSCHIEDUNGSARME ZUSAMMENSETZUNG UND VERFAHREN ZUM BEHANDELN VON ALUMINIUM UND SEINEN LEGIERUNGEN

Title (fr)

COMPOSITIONS RESISTANT A LA PRECIPITATION ET PROCEDE DE TRAITEMENT DE L'ALUMINIUM ET DE SES ALLIAGES

Publication

**EP 0799326 A1 19971008 (EN)**

Application

**EP 95943426 A 19951222**

Priority

- JP 32054594 A 19941222
- US 9516231 W 19951222

Abstract (en)

[origin: WO9619595A1] A highly corrosion-resistant, strongly paint-adherent conversion coating is formed on the surface of aluminiferous metal substrates by contacting such surfaces for 0.5 to 60 seconds with a sludging-free water-based surface treatment bath that has a pH of 1.5 to 4.0 and contains a zirconium compound, phosphoric acid compound, oxidizing agent, and a compound that is a source of hydrogen fluoride (in a quantity that produces a concentration of from 0.0001 to 0.2 g/L HF in the treatment bath). This contact is preferably followed by a water rinse and drying.

IPC 1-7

**C23C 22/10**

IPC 8 full level

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