

Title (en)

CONVERSION TREATMENT METHOD AND COMPOSITION FOR ALUMINUM AND ALUMINUM ALLOYS.

Title (de)

VERFAHREN UND ZUSAMMENSETZUNGEN ZUR KONVERSIONSBEHANDLUNG VON ALUMINIUM UND ALUMINIUMLEGIERUNGEN.

Title (fr)

PROCEDE ET COMPOSITION DE TRAITEMENT DE CONVERSION POUR ALUMINIUM ET ALLIAGES D'ALUMINIUM.

Publication

**EP 0516700 B1 19940727**

Application

**EP 91904950 A 19910213**

Priority

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- JP 4016990 A 19900221
- US 9100965 W 19910213

Abstract (en)

[origin: WO9113186A1] The paint adhesion and corrosion resistance of surfaces of aluminum and its alloys, particularly when using a paint based on poly(vinyl chloride), is improved by using a conversion coating solution having a pH in the range from 1.0 to 3.0 and containing: (A) an amount of phosphate ions that is stoichiometrically equivalent to at least 5.0 g/L of phosphoric acid; (B) at least 1.0 g/L of hexavalent chromium; (C) at least 0.1 g/L of fluoride ions; and (D) a complex fluoride ion component selected from the group consisting of: (i) at least 4.0 g/L of fluosilicate ions, (ii) at least 0.5 g/L of fluoborate ions, (iii) at least 2.0 g/L of fluozirconate ions, and (iv) at least 2.0 g/L of fluotitanate ions.

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