

Title (en)

METHOD FOR PROCESSING SURFACES OF ALUMINIUM ALLOY SHEETS AND STRIPS

Title (de)

VERFAHREN ZUR BEHANDLUNG DER OBERFLÄCHEN VON BLECHEN UND BÄNDERN AUS ALUMINIUMLEGIERUNG

Title (fr)

PROCEDE DE TRAITEMENT DE SURFACE POUR TOLES ET BANDES EN ALLIAGE D'ALUMINIUM

Publication

**EP 1646735 B1 20081112 (FR)**

Application

**EP 04767292 A 20040609**

Priority

- FR 2004001426 W 20040609
- FR 0307004 A 20030611

Abstract (en)

[origin: FR2856079A1] Surface treatment of a strip, a sheet or a component in an aluminum alloy comprises: (a) preparation of the surface with the aid of a plasma atmosphere; (b) treatment with the aid of a bath containing between 1 and 10 % by wt of at least one salt of at least one of the metals Si, Ti, Zr, Ce, Co, Mn, Mo or V, in order to form a conversion layer on the strip, sheet or component.

IPC 8 full level

**C23C 22/78** (2006.01); **C23C 16/455** (2006.01); **C23C 22/05** (2006.01)

CPC (source: EP KR US)

**B05D 1/18** (2013.01 - KR); **C22C 21/00** (2013.01 - KR); **C23C 22/06** (2013.01 - KR); **C23C 22/78** (2013.01 - EP KR US); **Y10T 428/12743** (2015.01 - EP US)

Cited by

US10400337B2; US10125424B2; US10920324B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2007026254 A1 20070201**; AT E414187 T1 20081115; AU 2004247920 A1 20041223; BR PI0411326 A 20060725; CA 2528702 A1 20041223; DE 602004017737 D1 20081224; EP 1646735 A2 20060419; EP 1646735 B1 20081112; ES 2318327 T3 20090501; FR 2856079 A1 20041217; FR 2856079 B1 20060714; JP 2006527306 A 20061130; JP 5183062 B2 20130417; KR 101102142 B1 20120102; KR 20060027328 A 20060327; NO 20055805 D0 20051207; NO 20055805 L 20060310; WO 2004111300 A2 20041223; WO 2004111300 A3 20050217

DOCDB simple family (application)

**US 55874905 A 20051201**; AT 04767292 T 20040609; AU 2004247920 A 20040609; BR PI0411326 A 20040609; CA 2528702 A 20040609; DE 602004017737 T 20040609; EP 04767292 A 20040609; ES 04767292 T 20040609; FR 0307004 A 20030611; FR 2004001426 W 20040609; JP 2006516271 A 20040609; KR 20057023747 A 20040609; NO 20055805 A 20051207