

Title (en)

CHEMICAL PROCESS TO AVOID A RAINBOW EFFECT, PROVOKED BY AN OXIDE LAYER THAT IS CAUSED DURING THE POLISHING OF  
PIECES OF ALUMINIUM OR PIECES OF ALUMINIUM ALLOYS

Publication

**EP 0399169 B1 19930811 (DE)**

Application

**EP 90105558 A 19900323**

Priority

DE 3917186 A 19890526

Abstract (en)

[origin: EP0399169A2] A description is given of a chemical process for avoiding a rainbow effect provoked by the oxide layer produced during the polishing of aluminium or aluminium-alloy parts. In the process, the parts are degreased or cleaned in a first process step and given an electrolytic alkaline polish in a second process step. The process is distinguished by the fact that, after polishing, the pieces are subjected to a further treatment in which they are first rinsed in water, then exposed to a chromic acid solution containing about 50 g/l of CrO<sub>3</sub> at about 98 DEG C for about three minutes, and finally rinsed in a sodium hydrogensulphite solution.

IPC 1-7

**C25F 3/20**

IPC 8 full level

**C25D 11/24** (2006.01); **C25F 3/20** (2006.01)

CPC (source: EP US)

**C25F 3/20** (2013.01 - EP US)

Cited by

ITMI20131604A1

Designated contracting state (EPC)

BE DE ES FR GB IT SE

DOCDB simple family (publication)

**EP 0399169 A2 19901128; EP 0399169 A3 19910123; EP 0399169 B1 19930811;** DE 3917186 A1 19901129; DE 3917186 C2 19920625;  
DE 59002260 D1 19930916; JP H0313598 A 19910122; JP H0579759 B2 19931104; US 5009756 A 19910423

DOCDB simple family (application)

**EP 90105558 A 19900323;** DE 3917186 A 19890526; DE 59002260 T 19900323; JP 13554190 A 19900528; US 52758790 A 19900523