

Title (en)

Procedure for anodising aluminium or aluminium alloys

Title (de)

Verfahren zur Anodisierung von Aluminium oder Aluminiumlegierungen

Title (fr)

Procédure pour l'anodisation d'aluminium et alliages d'aluminium

Publication

**EP 2055810 A2 20090506 (EN)**

Application

**EP 08380076 A 20080307**

Priority

ES 200702842 A 20071029

Abstract (en)

This invention refers to a procedure for anodising aluminium or aluminium alloys in which an aluminium or an aluminium alloy part is submerged in an aqueous solution at a temperature between 0°C and 140°C, preferably between 0°C and 130°C, in which said solution includes: - sulphuric acid, - tartaric acid, and - at least one inorganic salt of an element selected between at least one transition metal, a lanthanide element, an actinide, and combinations of them, and applying a controlled potential difference, obtaining layers of aluminium oxide with properties as good as or even better than those obtained through anodising in traditional chromic acid solutions.

IPC 8 full level

**C25D 11/06** (2006.01)

CPC (source: EP ES US)

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Citation (examination)

- GB 459263 A 19370105 - SCHERING KAHLBAUM AG
- US 2002157961 A1 20021031 - DATTILO ALESSANDRO [IT], et al
- V MOUTARLIER ET AL: "Electrochemical characterisation of anodic oxidation films formed in presence of corrosion inhibitors", 12 November 2001 (2001-11-12), XP055286809

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EP4269662A1

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DOCDB simple family (publication)

**EP 2055810 A2 20090506; EP 2055810 A3 20130123**; BR PI0800622 A2 20090630; CA 2624579 A1 20090429; CN 101423965 A 20090506; EA 015400 B1 20110830; EA 200800582 A1 20090630; ES 2324850 A1 20090817; ES 2324850 B1 20100607; US 2009107848 A1 20090430

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**EP 08380076 A 20080307**; BR PI0800622 A 20080314; CA 2624579 A 20080307; CN 200810096306 A 20080317; EA 200800582 A 20080313; ES 200702842 A 20071029; US 7363208 A 20080307