

Title (en)

Production of a metallically conductive surface region on an oxidised Al-Mg alloy

Title (de)

Erzeugung eines metallisch leitfähigen Oberflächenbereichs auf oxidierten Al-Mg-Legierungen

Title (fr)

Production d'une région de surface métalliquement conductive sur des alliages Al-Mg oxydés

Publication

**EP 1302566 B1 20040204 (DE)**

Application

**EP 01124437 A 20011011**

Priority

EP 01124437 A 20011011

Abstract (en)

[origin: EP1302566A1] A metallic conducting surface region (2,3) is formed in the oxidized and/or phosphated surface (1) of an alloy containing Al and/or Mg. The surface region is subjected to laser radiation in order to remove the oxide/phosphate layer. The exposed region is then coated with a metallic conducting substance. The surface is artificially oxidized. The coating substance is e.g. a silicone adhesive or an acryl resin based adhesive.

IPC 1-7

**C25D 5/42**; **C23C 22/82**; **C25D 13/20**; **C25D 13/22**; **C25D 11/20**

IPC 8 full level

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CPC (source: EP US)

**B05D 5/067** (2013.01 - EP US); **C23C 22/82** (2013.01 - EP US); **C25D 5/42** (2013.01 - EP US); **C25D 11/20** (2013.01 - EP US); **C25D 13/20** (2013.01 - EP US); **C25D 13/22** (2013.01 - EP US); **B05D 1/007** (2013.01 - EP US)

Citation (examination)

WIEDERHOLT W.: "Die chemische Oberflächenbehandlung von Metallen zum Korrosionsschutz", 1963, EUGEN G.LEUZE VERLAG, SAULGAU/WORTT

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DOCDB simple family (application)

**EP 01124437 A 20011011**; AT 01124437 T 20011011; DE 50101451 T 20011011; EP 0211298 W 20021009; US 49249904 A 20040409