

Title (en)

Production of metal conductive surface regions on coated light-metal alloys

Title (de)

Erzeugung metallisch leitfähiger Oberflächenbereiche auf beschichteten Leichtmetalllegierungen

Title (fr)

Production des régions de surface conductrices métalliques sur des alliages en métal léger recouverts

Publication

EP 1302563 B1 20060524 (DE)

Application

EP 01124434 A 20011011

Priority

EP 01124434 A 20011011

Abstract (en)

[origin: EP1302563A1] A method for improving the surface conductivity of parts (2, 3) of a light alloy surface (1) involves coating the surface (1) with a tin-containing layer and then irradiating areas (2, 3) with a laser to increase their surface conductivity.

IPC 8 full level

C25D 5/48 (2006.01); **C23C 26/02** (2006.01); **C23C 28/00** (2006.01); **C25D 5/02** (2006.01); **C25D 7/00** (2006.01); **C25D 11/34** (2006.01)

CPC (source: EP US)

C23C 26/02 (2013.01 - EP); **C23C 28/00** (2013.01 - EP); **C23C 28/322** (2013.01 - EP); **C23C 28/3225** (2013.01 - EP);
C23C 28/345 (2013.01 - EP); **C25D 5/48** (2013.01 - EP US); **C25D 7/00** (2013.01 - EP US); **C25D 11/34** (2013.01 - EP)

Citation (examination)

- WO 9613625 A1 19960509 - DANFOSS AS [DK], et al
- PATENT ABSTRACTS OF JAPAN vol. 017, no. 394 (C - 1088) 23 July 1993 (1993-07-23)
- DATABASE WPI Week 197740, Derwent World Patents Index; Class M11, AN 1977-71193Y, XP002194328

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1302563 A1 20030416; **EP 1302563 B1 20060524**; AT E327358 T1 20060615; DE 50109889 D1 20060629; WO 03033772 A1 20030424

DOCDB simple family (application)

EP 01124434 A 20011011; AT 01124434 T 20011011; DE 50109889 T 20011011; EP 0211290 W 20021009