

Title (en)
ELEMENT OF ALUMINIUM OR AN ALUMINIUM ALLOY WITH A HARD OXIDE LAYER, AND PROCESS FOR THE MANUFACTURE OF SUCH AN ELEMENT

Publication
EP 0213331 A3 19870325 (DE)

Application
EP 86109418 A 19860710

Priority
DE 3528180 A 19850806

Abstract (en)
[origin: EP0213331A2] 1. A component made of aluminium or an aluminium alloy which has on its surface a hard oxide coating with a thickness of between 25 and 250 microns, the hard oxide coating being treated with an electrolyte which contains metal salts and preserved with a water-repellent agent, characterised in that the hard oxide layer has a pore volume of between 5 and 15%, the hard oxide layer is substantially free from microcracks, metal salts are absorbed into the hard oxide layer and hydrolysed to form hydroxides and the hard oxide layer has a surface roughness of between 0.8 and 1 micron.

IPC 1-7
B32B 15/20; **C25D 11/18**; **C25D 11/24**

IPC 8 full level
B32B 15/20 (2006.01); **C25D 11/18** (2006.01); **C25D 11/24** (2006.01)

CPC (source: EP)
C25D 11/18 (2013.01); **C25D 11/24** (2013.01)

Citation (search report)
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• US 3032435 A 19620501 - MARTIN MICHEL JOSEF
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Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
EP 0213331 A2 19870311; **EP 0213331 A3 19870325**; **EP 0213331 B1 19900627**; DE 3528180 A1 19870219; DE 3528180 C2 19900405; DE 3672221 D1 19900802; ES 2000131 A6 19871216

DOCDB simple family (application)
EP 86109418 A 19860710; DE 3528180 A 19850806; DE 3672221 T 19860710; ES 8600912 A 19860806