

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

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EP 0213331 B1 19900627 (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.

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