

Title (en)
ANODIZED LAYERS RESISTANT TO ACID AND ALKALI

Title (de)
SÄURE- UND LAUGENBESTÄNDIGE ELOXALSCHICHTEN

Title (fr)
COUCHES ANODISÉES RÉSISTANTES AUX ACIDES ET ALCALINS

Publication
EP 3960899 A1 20220302 (EN)

Application
EP 21193393 A 20210826

Priority
IT 202000020590 A 20200828

Abstract (en)
The present invention relates to a process for coating an anodised aluminium or anodised aluminium alloy substrate in which a solution comprising at least one alkaline silicate, at least one silane and at least one siloxane and/or one polysiloxane is applied to the substrate and left to dry at a temperature comprised between 55°C and 80°C. The invention also relates to an anodised aluminium or anodised aluminium alloy substrate coated with a protective layer obtained by the application of the solution comprising at least one alkaline silicate, at least one silane and at least one siloxane and/or one polysiloxane on the aluminium oxide layer. The coated substrate according to the invention resists at pHs from 1 to 13.5.

IPC 8 full level
C23C 18/12 (2006.01); **C25D 11/24** (2006.01)

CPC (source: EP)
C23C 18/122 (2013.01); **C23C 18/1245** (2013.01); **C25D 11/246** (2013.01)

Citation (applicant)
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3960899 A1 20220302; IT 202000020590 A1 20220228; WO 2022043977 A1 20220303

DOCDB simple family (application)
EP 21193393 A 20210826; IB 2021058928 W 20210929; IT 202000020590 A 20200828