Title (en)

SHORT DURATION HOT SEAL FOR ANODISED METAL SURFACES

Title (de)

KURZZEIT-HEISSVERDICHTUNG ANODISIERTER METALLOBERFLÄCHEN

Title (fr)

COLMATAGE A CHAUD, DE COURTE DUREE, DE SURFACES METALLIQUES ANODISEES

Publication

EP 0857227 B1 20000126 (DE)

Application

EP 96934587 A 19961009

Priority

- DE 19538777 A 19951018
- DE 19621819 A 19960531
- EP 9604373 W 19961009

Abstract (en)

[origin: WO9714828A1] The process for sealing anodised metal surfaces is characterised in that the anodised metal is brought into contact with an aqueous solution for a duration equivalent to 0.5-2 minutes per micron of anodised layer thickness. The solution has a temperature of between 75 DEG C and its boiling point and a pH value of between 5.5 and 8.5. It contains a) between 0.0001 and 5 g/l of one or more alkali metal and/or alkaline earth metal ions, and b) between 0.0005 and 0.5 g/l of one or more organic acids selected from the group comprising cyclic polycarboxylic acids with 3-6 carboxyl groups and/or phosphonic acids and/or polyphosphinocarboxylic acids, there being more metal ions of group a) than is required to ensure complete neutralisation of the group b) acids.

IPC 1-7

C25D 11/24

IPC 8 full level

C25D 11/24 (2006.01)

CPC (source: EP US)

C25D 11/246 (2013.01 - EP US)

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

WO 9714828 A1 19970424; AR 004035 A1 19980930; AU 7287896 A 19970507; DE 59604329 D1 20000302; EP 0857227 A1 19980812; EP 0857227 B1 20000126; ES 2142619 T3 20000416; US 5935656 A 19990810

DOCDB simple family (application)

EP 9604373 W 19961009; AR P960104796 A 19961018; AU 7287896 A 19961009; DE 59604329 T 19961009; EP 96934587 A 19961009; ES 96934587 T 19961009; US 5185698 A 19980420