Title (en)

SHORT-TERM HEAT-SEALING OF ANODIZED METAL SURFACES WITH SURFACTANT-CONTAINING SOLUTIONS

Title (de)

KURZZEIT-HEISSVERDICHTUNG ANODISIERTER METALLOBERFLÄCHEN MIT TENSIDHALTIGEN LÖSUNGEN

Title (fr)

SCELLEMENT THERMIQUE RAPIDE DE SURFACES METALLIQUES ANODISEES REALISE AU MOYEN DE SOLUTIONS CONTENANT DES TENSIOACTIFS

Publication

EP 0902849 B1 20000809 (DE)

Application

EP 97923978 A 19970522

Priority

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- EP 9702620 W 19970522

Abstract (en)

[origin: DE19621818A1] Described is a method of sealing anodized metal surfaces, the method being characterized in that the anodized metal is brought in contact, for a length of time between 0.5 and 2 minutes per micrometre of anodized-layer thickness, with an aqueous solution having a temperature between 75 DEG C and the boiling point and a pH in the range 5.5 to 8.5 and containing: a) a total of 0.0004 to 0.05 g/l of one or more cationic, anionic or non-ionic surfactants; and b) a total of 0.0005 to 0.5 g/l of one or more organic acids selected from the group comprising the cyclic polycarboxylic acids with 3 to 6 carboxyl groups and the phosphonic acids. The preferred surfactants are non-ionic surfactants and the preferred acids are polyphosphinocarboxylic acids. Optionally present are alkali-metal and/or alkaline-earth metal cations, preferably Li and/or Mg ions, in amounts of 0.0001 to 5 g/l.

IPC 1-7

C25D 11/24

IPC 8 full level

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CPC (source: EP KR US)

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