

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

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Application
EP 97923978 A 19970522

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Abstract (en)
[origin: US6059897A] PCT No. PCT/EP97/02620 Sec. 371 Date Nov. 30, 1998 Sec. 102(e) Date Nov. 30, 1998 PCT Filed May 22, 1997 PCT Pub. No. WO97/46738 PCT Pub. Date Dec. 11, 1997 Process for post-sealing anodized metal surfaces, characterized in that the anodized metal is contacted with an aqueous solution for a period of between 0.5 and 2 minutes per micrometer of anodized coating thickness, which solution is at a temperature of between 75 DEG C. and its boiling point and has a pH of from 5.5 to 8.5 and which contains: (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 cyclic polycarboxylic acids having 3 to 6 carboxyl groups and/or phosphonic acids. Non-ionic surfactants are preferred as the surfactants while polyphosphinocarboxylic acids are preferred as the acids. Alkali and/or alkaline earth metal cations, preferably Li and/or Mg ions, are optionally present in quantities of 0.0001 to 5 g/l.

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