

Title (en)

CHEMICAL PROCESS TO AVOID A RAINBOW EFFECT, PROVOKED BY AN OXIDE LAYER THAT IS CAUSED DURING THE POLISHING OF
PIECES OF ALUMINIUM OR PIECES OF ALUMINIUM ALLOYS

Publication

EP 0399169 A3 19910123 (DE)

Application

EP 90105558 A 19900323

Priority

DE 3917186 A 19890526

Abstract (en)

[origin: EP0399169A2] A description is given of a chemical process for avoiding a rainbow effect provoked by the oxide layer produced during the polishing of aluminium or aluminium-alloy parts. In the process, the parts are degreased or cleaned in a first process step and given an electrolytic alkaline polish in a second process step. The process is distinguished by the fact that, after polishing, the pieces are subjected to a further treatment in which they are first rinsed in water, then exposed to a chromic acid solution containing about 50 g/l of CrO₃ at about 98 DEG C for about three minutes, and finally rinsed in a sodium hydrogensulphite solution.

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CPC (source: EP US)

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Citation (search report)

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- [Y] FR 1003126 A 19520314
- [Y] GB 606240 A 19480810 - CIE DE PROD CHIM ET ELECTRO ME
- S. WERNICK et al.: "The Surface Treatment and Finishing of Aluminium and its Alloys", Ausgabe 1, Band 5, 1987, Seiten 73-77, Finishing Publications Ltd, Teddington, Middlesex, GB

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