

Title (en)

USE OF P-TOLUENE SULFONIC ACID IN THE ELECTROLYTIC COLOURING OF ANODICALLY OBTAINED ALUMINIUM SURFACES

Publication

EP 0351680 B1 19921104 (DE)

Application

EP 89112555 A 19890710

Priority

DE 3824402 A 19880719

Abstract (en)

[origin: US4917780A] Undesirable greenish tinges that normally result when coloring anodized aluminum by AC electrolysis in solutions of silver salts can be avoided by adding to the electrolytes an appropriate amount of p-toluenesulfonic acid and/or its salts. The coloring solution may also contain (i) sulfuric acid, (ii) alkali metal, ammonium and/or alkaline earth metal salts of sulfuric acid and/or (iii) alkali metal, ammonium and/or alkaline earth metal acetates.

IPC 1-7

C25D 11/22

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

CN102808208A; US7097756B2

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EP 0351680 A1 19900124; EP 0351680 B1 19921104; AT E82022 T1 19921115; AU 3824489 A 19900125; AU 609320 B2 19910426; BR 8903540 A 19900313; DE 3824402 A1 19900125; DE 58902601 D1 19921210; ES 2035994 T3 19930501; GR 3006151 T3 19930621; JP H0273993 A 19900313; KR 900001886 A 19900227; NZ 229977 A 19900828; US 4917780 A 19900417; ZA 895471 B 19900328

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