

Title (en)

Use of p-toluene sulfonic acid in the electrolytic colouring of anodically obtained aluminium surfaces.

Title (de)

Verwendung von p-Toluolsulfonsäure zum elektrolytischen Färben anodisch erzeugter Oberflächen von Aluminium.

Title (fr)

Utilisation d'acide p-toluène-sulfonique pour la coloration électrolytique de surfaces d'aluminium obtenues par voie anodique.

Publication

EP 0351680 A1 19900124 (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.

Abstract (de)

Die Erfindung betrifft die Verwendung von p-Toluolsulfonsäure zum elektrolytischen Färben anodisch erzeugter Oberflächen von Aluminium und/oder Aluminiumlegierungen in silbersalzhaltigen, wäßrigen Elektrolytlösungen mittels Wechselstrom oder gleichstromüberlagertem Wechselstrom.

IPC 1-7

C25D 11/22

IPC 8 full level

C25D 11/22 (2006.01)

CPC (source: EP KR US)

C25D 11/14 (2013.01 - KR); **C25D 11/22** (2013.01 - EP US)

Citation (search report)

- [A] US 4128460 A 19781205 - NISHIMURA HIDEO, et al
- [A] METAL FINISHING ABSTRACTS, Band 23, Nr. 1, Januar/Februar 1981, Seite 25F, Teddington, Middlesex, GB; & JP-A-55 028 324 (NIPPON KAGAKU GIZAI K.K.) 18-08-1978
- [A] CHEMICAL ABSTRACTS, Band 105, Nr. 12, September 1986, Seite 490, Zusammenfassung Nr. 104751y, Columbus, Ohio, US; & JP-A-61 99 697 (NIPPON ALUMINIUM Mfg CO., LTD) 17-05-1986

Cited by

CN102808208A; US7097756B2

Designated contracting state (EPC)

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EP 89112555 A 19890710; AT 89112555 T 19890710; AU 3824489 A 19890718; BR 8903540 A 19890718; DE 3824402 A 19880719; DE 58902601 T 19890710; ES 89112555 T 19890710; GR 920402464 T 19921105; JP 18723589 A 19890719; KR 890010185 A 19890718; NZ 22997789 A 19890718; US 38261189 A 19890719; ZA 895471 A 19890718