

Title (en)

PROCESS FOR THE ELECTROCHEMICAL ROUGHENING OF ALUMINIUM PRINTING PLATE SUPPORTS IN AN AQUEOUS MIXED ELECTROLYTE

Publication

EP 0162283 A3 19851227 (DE)

Application

EP 85104605 A 19850416

Priority

DE 3415364 A 19840425

Abstract (en)

[origin: US4618405A] Disclosed is a process for electrochemically roughening aluminum or aluminum alloys for use as printing plate supports, in an aqueous mixed electrolyte solution containing hydrochloric acid (HCl) and, as an additional inorganic electrolyte, at least one compound selected from the group consisting of condensed phosphoric acids, amidosulfonic acid, and the water-soluble alkali metal salts and ammonium salts thereof. In particular, the solution contains from 0.5 to 10% by weight of HCl and from 0.05 to 5.0% by weight of the additional inorganic electrolyte (for example, diphosphoric acid or polyphosphoric acid). The support materials which are particularly uniformly roughened are employed in the production of offset-printing plates.

IPC 1-7

C25F 3/04; **B41N 1/08**

IPC 8 full level

B41N 3/00 (2006.01); **B41N 3/03** (2006.01); **C25F 3/04** (2006.01)

CPC (source: EP US)

B41N 3/034 (2013.01 - EP US); **C25F 3/04** (2013.01 - EP US)

Citation (search report)

- [X] CHEMICAL ABSTRACTS, Band 93, Nr. 4, 28. Juli 1980, Seite 618, Nr. 35852b, Columbus, Ohio, US; & JP-A-55 011 364 (MITSUBISHI, KEIKINZOKU KOGYO K.K.) 26.01.1980
- [A] CHEMICAL ABSTRACTS, Band 95, Nr. 16, 19. Oktober 1981, Seite 714, Nr. 143008f, Columbus, Ohio, US; & JP-A-56 087 313 (SANYO ELECTRIC CO., LTD.) 15.07.1981

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EP0242583A1; EP0536531A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

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