Title (en)

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

Publication

EP 0162282 A3 19851227 (DE)

Application

EP 85104604 A 19850416

Priority

DE 3415363 A 19840425

Abstract (en)

[origin: US4626328A] 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 additional electrolytes, at least one organic acid selected from the group consisting of diphosphonic acids, polyphosphonic acids and gallic acid. In particular, the solution contains from 0.5 to 10.0% by weight of HCl and from 0.05 to 5.0% by weight of the organic acid (for example, 1-hydroxy-ethane-1,1-diphosphonic 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 1/08 (2006.01); **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)

[A] CHEMICAL ABSTRACTS, Band 80, Nr. 14, 08. April 1974, Seite 186, Nr. 73548w, Columbus, Ohio, US; & JP - A - 73 29 466 (SHOWA DENKO K.K.) 10.09.1973

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EP 85104604 A 19850416; DE 3415363 A 19840425; DE 3560490 T 19850416; JP 8665185 A 19850424; US 72624585 A 19850423