

Title (en)

TREATED ANODIZED ALUMINUM SUPPORT AND LITHOGRAPHIC PRINTING PLATE CONTAINING SAME

Publication

**EP 0218160 B1 19891206 (EN)**

Application

**EP 86113306 A 19860926**

Priority

US 78640385 A 19851010

Abstract (en)

[origin: EP0218160A1] A lithographic printing plate support material comprising an anodized aluminum plate having an anodic layer, a silicate layer in contact with the anodic layer, and a metal salt layer, in contact with the silicate layer, which comprises a metal salt having the formula MX wherein M is a metal selected from the group consisting of zinc, magnesium, nickel, and chromium, and X is an anion selected from the group consisting of acetate, chloride, and borate. A method for preparing the support material comprises the steps of contacting an anodized aluminum plate with a silicating agent and contacting the silicated plate with the above-described metal salt. Lithographic printing plates comprising the above-described support material and a radiation-sensitive layer exhibit improved press sensitivity and extended shelf-life.

IPC 1-7

**B41N 1/08**; **C25D 11/24**

IPC 8 full level

**B41N 1/08** (2006.01); **B41N 3/00** (2006.01); **B41N 3/03** (2006.01); **C25D 11/24** (2006.01)

CPC (source: EP)

**B41N 3/038** (2013.01); **C25D 11/24** (2013.01)

Cited by

EP1142707A1; EP0537633A1; US5314787A; US6637334B2

Designated contracting state (EPC)

BE DE FR GB NL SE

DOCDB simple family (publication)

**EP 0218160 A1 19870415**; **EP 0218160 B1 19891206**; DE 3667260 D1 19900111; JP H0692195 B2 19941116; JP S6294389 A 19870430

DOCDB simple family (application)

**EP 86113306 A 19860926**; DE 3667260 T 19860926; JP 23939586 A 19861009