

Title (en)

Treated anodized aluminum support and lithographic printing plate containing same.

Title (de)

Behandelter Träger aus anodisiertem Aluminium und den Träger enthaltende lithographische Druckplatte.

Title (fr)

Support en aluminium anodisé soumis à un traitement et plaque d'impression lithographique le comprenant.

Publication

**EP 0218160 A1 19870415 (EN)**

Application

**EP 86113306 A 19860926**

Priority

US 78640385 A 19851010

Abstract (en)

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)

Citation (search report)

- [A] FR 2211675 A1 19740719 - EASTMAN KODAK CO [US]
- [A] DE 1571890 A1 19711007 - SCOTT PAPER CO
- [A] FR 2385819 A1 19781027 - YOSHIDA KOGYO KK [JP]

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