

Title (en)

Aluminum alloy strip used for making lithographic plate and method of production

Title (de)

Lithoband und Verfahren zu seiner Herstellung

Title (fr)

Bande en alliage d'aluminium pour plaques d'impression lithographique et procédé pour sa préparation

Publication

**EP 1065071 B1 20041110 (DE)**

Application

**EP 00110267 A 20000522**

Priority

- DE 19930720 A 19990702
- DE 19956692 A 19991125

Abstract (en)

[origin: EP1065071A1] Lithographic strip consists of a rolled aluminum (Al) alloy contains 0.30-0.40% iron, 0.10-0.30% magnesium, 0.05-0.25% silicon, NOTGREATER 0.05% manganese and NOTGREATER 0.04% copper and impurities from manufacture and has an alternating bending strength of over 1250 cycles perpendicular to the rolling direction and a tensile strength (Rm) of over 145 N/mm<2> after 240 degrees C/10 minutes annealing. Independent claims are also included for: (a) the production of the strip; (b) the production of a printing plate substrate from the strip; (c) the production of a printing plate for roll offset printing by providing the substrate with a light-sensitive, hydrophobic coating.

IPC 1-7

**B41N 3/00**; **B41N 3/03**; **C22F 1/04**; **C22C 21/00**

IPC 8 full level

**B41N 1/08** (2006.01); **B21B 3/00** (2006.01); **B22D 11/00** (2006.01); **B22D 11/12** (2006.01); **B41N 3/00** (2006.01); **B41N 3/03** (2006.01); **C22C 21/00** (2006.01); **C22C 21/08** (2006.01); **C22F 1/00** (2006.01); **C22F 1/04** (2006.01); **C25D 11/16** (2006.01); **G03F 7/00** (2006.01); **G03F 7/09** (2006.01)

CPC (source: EP KR US)

**B41N 3/034** (2013.01 - EP US); **C22C 21/00** (2013.01 - EP US); **C22C 21/08** (2013.01 - KR); **C22F 1/04** (2013.01 - EP US); **B41N 3/00** (2013.01 - EP US)

Cited by

CN103009010A; EP1475448A4; EP2192202A1; EP1676931A3; EP2067871A1; US9914318B2; WO2018044835A2; WO2010122144A1; WO2007045676A1; WO0248415A1; WO2009068502A1; US8869875B2; US10927437B2; DE202008018332U1; US11326232B2; WO2010122143A1; WO2012059362A1; WO03057934A1; WO2010127903A1; US8961870B2; WO2007093605A1; WO2010057959A1; EP2067871B2; EP2495106B1; EP2192202B1; EP1820866A1

Designated contracting state (EPC)

DE ES FR GB GR

DOCDB simple family (publication)

**EP 1065071 A1 20010103**; **EP 1065071 B1 20041110**; BR 0002955 A 20010403; BR 0002955 B1 20090113; DE 29924474 U1 20030828; ES 2232347 T3 20050601; JP 2001049373 A 20010220; JP 2004250794 A 20040909; JP 4170933 B2 20081022; KR 100390654 B1 20030707; KR 20010049633 A 20010615; US 6447982 B1 20020910

DOCDB simple family (application)

**EP 00110267 A 20000522**; BR 0002955 A 20000630; DE 29924474 U 19991125; ES 00110267 T 20000522; JP 2000201297 A 20000703; JP 2004064240 A 20040308; KR 20000035648 A 20000627; US 60872200 A 20000630