

Title (en)

Aluminium alloy substrate for digitally imageable lithographic printing plate and process for producing the same

Title (de)

Substrat aus Aluminium-Legierung für lithographische Druckplatten und Verfahren zu seiner Herstellung

Title (fr)

Substrat en alliage d'aluminium pour une plaque d'impression lithographique et procédé de son fabrication

Publication

EP 1543899 A2 20050622 (EN)

Application

EP 04078437 A 20041217

Priority

- EP 04078437 A 20041217
- EP 03079025 A 20031217

Abstract (en)

Disclosed is a method for the production of an aluminium alloy support for a digitally imageable lithographic printing plate, comprising forming a support by carrying out the subsequent steps of: continuously casting a molten aluminium alloy to form a strip having a thickness less than 30 mm; cold rolling said strip to form said support; optionally a heat treatment step of said support; correction of the support; and mildly graining said support; followed by providing a digitally imageable coating on said support, whereby said printing plate is obtained, characterized in that said aluminium alloy composition contains an iron amount between 0.15% by weight and 0.50% by weight; a silicon amount between 0.05% by weight and 0.20% by weight; and a copper amount between 0.005% by weight and 0.040% by weight.

IPC 1-7

B22D 11/06; **C22C 21/00**; **B21B 3/00**; **B41N 1/08**

IPC 8 full level

B21B 3/00 (2006.01); **B22D 11/06** (2006.01); **B41C 1/10** (2006.01); **B41N 1/08** (2006.01); **C22C 21/00** (2006.01); **C22F 1/04** (2006.01); **B21B 1/36** (2006.01)

CPC (source: EP)

B22D 11/0605 (2013.01); **B22D 11/0622** (2013.01); **B41N 1/083** (2013.01); **C22C 21/00** (2013.01); **C22F 1/04** (2013.01); **B21B 1/36** (2013.01); **B21B 3/003** (2013.01); **B21B 2003/001** (2013.01); **B41M 2205/12** (2013.01)

Cited by

CN110802892A; GB2461240A; EP1837091A1; CN104264011A; WO2007107030A1; KR101017545B1; EP1859954B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1543899 A2 20050622; **EP 1543899 A3 20051221**

DOCDB simple family (application)

EP 04078437 A 20041217