

Title (en)

Positive-working lithographic printing plate precursor

Title (de)

Positivarbeitende lithographische Druckplattenvorläufer

Title (fr)

Précurseur de plaque d'impression lithographique de type positif

Publication

**EP 1380417 B1 20060823 (EN)**

Application

**EP 03101850 A 20030624**

Priority

- EP 03101850 A 20030624
- EP 02100778 A 20020703

Abstract (en)

[origin: EP1380417A1] A positive-working lithographic printing plate precursor is disclosed which comprises (i) a grained and anodized aluminum support having a hydrophilic surface and (ii) a heat-sensitive oleophilic coating provided on the hydrophilic surface, wherein said coating is capable of dissolving in an aqueous alkaline developer at a higher dissolution rate in areas of said coating which are exposed to heat or infrared light than in unexposed areas, characterized in that the hydrophilic surface has a surface roughness, expressed as arithmetical mean center-line roughness Ra, which is less than 0.40  $\mu\text{m}$  and comprises more than 3.0 g/m<sup>2</sup> of aluminium oxide. The use of a low surface roughness as defined above provides an improved shelf life of the coating.

IPC 8 full level

**B41C 1/10** (2006.01); **B41N 1/08** (2006.01); **B41N 3/03** (2006.01)

CPC (source: EP)

**B41C 1/1008** (2013.01); **B41N 1/083** (2013.01); **B41N 3/034** (2013.01); **B41C 2210/02** (2013.01); **B41C 2210/06** (2013.01); **B41C 2210/22** (2013.01); **B41C 2210/24** (2013.01); **B41C 2210/262** (2013.01)

Cited by

EP1588847A1; US7467587B2; WO2005058605A1

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

**EP 1380417 A1 20040114; EP 1380417 B1 20060823**

DOCDB simple family (application)

**EP 03101850 A 20030624**