

Title (en)

HEAT SENSITIVE PRINTING PLATE PRECURSORS

Title (de)

WÄRMEEMPFINDLICHE DRUCKPLATTEN-VORSTUFE

Title (fr)

PRECURSEURS DE PLANCHES D'IMPRESSION THERMOSENSIBLES

Publication

EP 0986474 A1 20000322 (EN)

Application

EP 98936319 A 19980603

Priority

- EP 9803484 W 19980603
- GB 9711383 A 19970603

Abstract (en)

[origin: GB2325885A] A lithographic printing plate precursor comprises a grained and anodised aluminium substrate coated with a metallic layer, preferably a silver layer, on top of which is applied a transparent cover sheet or layer of material. Imagewise exposure of the precursor by means of a high intensity laser beam allows for the direct provision of press ready plates showing high image quality, good press properties and high durability on press without the requirement for the use of intermediate film and developer chemistry. The transparent cover sheet or layer of material enables the loosely bound debris which is produced in the exposed areas on imagewise exposure to be trapped, and thereby prevented from being released to the atmosphere. Specified sheets are polyolefines and polyethylene terephthalate and specified layers are polyvinyl alcohol, polyvinyl phosphonic acid, polyethylene glycol, gum arabic and carboxymethylcellulose.

IPC 1-7

B41C 1/10; **B41N 1/08**; **B41N 3/03**

IPC 8 full level

B41C 1/10 (2006.01); **B41N 1/08** (2006.01); **B41N 1/14** (2006.01); **G03F 7/00** (2006.01); **G03F 7/07** (2006.01)

CPC (source: EP)

B41C 1/1033 (2013.01); **B41N 1/086** (2013.01)

Citation (search report)

See references of WO 9855311A1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

GB 2325885 A 19981209; **GB 9811828 D0 19980729**; DE 69808078 D1 20021024; EP 0986474 A1 20000322; EP 0986474 B1 20020918; GB 9711383 D0 19970730; JP 2002502331 A 20020122; WO 9855311 A1 19981210

DOCDB simple family (application)

GB 9811828 A 19980603; DE 69808078 T 19980603; EP 9803484 W 19980603; EP 98936319 A 19980603; GB 9711383 A 19970603; JP 50159399 A 19980603