

Title (en)

HEAT SENSITIVE PRINTING PLATE PRECURSORS

Title (de)

WÄRMEEMPFLINDLICHE DRUCKPLATTEN-VORSTUFE

Title (fr)

PRECURSEURS DE PLANCHES D'IMPRESSION THERMOSENSIBLES

Publication

EP 0986474 B1 20020918 (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

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IPC 8 full level

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CPC (source: EP)

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