Title (en)

On-press exposure and on-press processing of a lithographic material

Title (de)

Lithographische Druckplatte mit auf der Druckpresse stattfindender Beschichtung und Entwicklung

Title (fr)

Revêtement et développement sur presse d'une plaque lithographique

Publication

EP 1232859 B1 20031126 (EN)

Application

EP 02100005 A 20020111

Priority

- EP 02100005 A 20020111
- EP 01000017 A 20010216

Abstract (en)

[origin: EP1232859A1] A method of lithographic printing is disclosed which comprises the steps of : (i) unwinding a web of an imaging material from a supply spool, the imaging material comprising (1) a flexible lithographic base having a hydrophilic surface and (2) an image-recording layer which is removable in a single-fluid ink or can be rendered removable in a single-fluid ink by exposure to heat or light; (ii) wrapping the imaging material around a cylinder of a printing press; (iii) image-wise exposing the image-recording layer to heat or light; (iv) processing the image-recording layer by supplying single-fluid ink, thereby obtaining a printing master; (v) printing by supplying single-fluid ink to the printing master which is mounted on a plate cylinder of the printing press; (vi) removing the printing master from the plate cylinder, preferably by winding up on an uptake spool. Since the image-recording layer can be processed by single-fluid ink, the imaging material is suitable for on-press processing in printing presses wherein no fountain solution is supplied to the plate. The method allows a rapid, fully automatic plate change with reduced press down time.

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B41C 1/10; B41M 5/36

IPC 8 full level

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