

Title (en)

Method of making a heat-sensitive lithographic printing plate.

Title (de)

Herstellungsverfahren einer wärmeempfindlichen Flachdruckplatte

Title (fr)

Procédé de fabrication d'une plaque lithographique thermosensible

Publication

**EP 1524113 A2 20050420 (EN)**

Application

**EP 04104688 A 20040927**

Priority

- EP 04104688 A 20040927
- EP 03103828 A 20031016

Abstract (en)

A method of making a lithographic printing plate is disclosed which comprises the steps of (1) providing a lithographic printing plate precursor comprising (i) a support having a hydrophilic surface or which is provided with a hydrophilic layer and (ii) a coating provided thereon which comprises hydrophobic thermoplastic polymer particles; (2) exposing the precursor to IR-light or heat, thereby inducing coalescence of the thermoplastic polymer particles at exposed areas of the coating; (3) applying a hydrophilic protective layer on the coating ; and then, (4) while the precursor is mounted on a print cylinder of a printing press, developing the precursor by supplying an aqueous dampening liquid and/or ink to said precursor while rotating said print cylinder whereby the coating and the hydrophilic protective layer are removed from the support on the non-exposed areas. According to the above method, the hydrophilic protective layer can be applied by coating a solution by means a spray nozzle or a jet nozzle and wherein the applied hydrophilic protective layer improves clean-out in an on-press development.

IPC 1-7

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

IPC 8 full level

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

CPC (source: EP)

**B41C 1/1025** (2013.01); **B41N 3/036** (2013.01); **B41N 3/08** (2013.01); **B41C 2201/02** (2013.01); **B41C 2210/04** (2013.01); **B41C 2210/08** (2013.01); **B41C 2210/22** (2013.01); **B41C 2210/24** (2013.01)

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1524113 A2 20050420**; **EP 1524113 A3 20051123**; **EP 1524113 B1 20100324**

DOCDB simple family (application)

**EP 04104688 A 20040927**