

Title (en)

Method of lithographic printing with a reusable printing plate substrate

Title (de)

Flachdruckverfahren mit einem wiederverwendbaren Druckplattenträger

Title (fr)

Procédé d'impression lithographique avec un support de plaque d'impression réutilisable

Publication

**EP 1118472 A1 20010725 (EN)**

Application

**EP 00200178 A 20000118**

Priority

EP 00200178 A 20000118

Abstract (en)

A direct-to-plate method of lithographic printing is disclosed which enables to recycle the lithographic substrate of the printing master. The method comprises the steps of (a) making a negative-working imaging material by coating on a hydrophilic substrate a coating solution comprising hydrophobic thermoplastic polymer particles and a hydrophilic binder; (b) making a printing master having ink-accepting areas by imagewise exposing the imaging material; (c) applying ink and fountain solution to the printing master; (d) removing the ink-accepting areas from the printing master by supplying an amide and preferably also an alkanolamine. The above steps are preferably carried out on-press.

IPC 1-7

**B41N 3/00**

IPC 8 full level

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Citation (search report)

- [A] EP 0081355 A1 19830615 - INTERCONTINENTAL CHEM CORP [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 095 (P - 681) 29 March 1988 (1988-03-29)

Cited by

EP1312473A3; US6884563B2; US10022965B2; US9701120B2

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