

Title (en)

Process and apparatus for intaglio printing using an erasable form

Title (de)

Verfahren und Vorrichtung für den Tiefdruck mittels einer löschbaren Tiefdruckform

Title (fr)

Procédé et appareil pour l'impression en creux utilisant une forme effaçable

Publication

EP 0813957 B2 20041103 (DE)

Application

EP 97109373 A 19970610

Priority

DE 19624441 A 19960619

Abstract (en)

[origin: CA2207939A1] Starting from a blank gravure form, a filling step and a subsequent imaging step are carried out to produce a printing form. In the filling step, depressions are evenly filled with a UV printing ink by an application device, and the UV printing ink is then solidified by a UV drier. In the imaging step, solidified UV printing ink is removed from the depressions in accordance with the image by thermal ablation. The gravure form screened in accordance with the image is then inked with UV printing ink by an inking system. For reuse, the gravure form undergoes an erasure step that uses UV printing ink.

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IPC 1-7

B41C 1/18; **B41C 1/055**; **B41C 1/10**; **B41C 1/05**; **B41F 9/01**; **B41M 1/10**

IPC 8 full level

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CPC (source: EP US)

B41C 1/05 (2013.01 - EP US); **B41C 1/055** (2013.01 - EP US); **B41F 9/01** (2013.01 - EP US); **B41M 1/10** (2013.01 - EP US); **B41N 3/003** (2013.01 - EP US); **B41P 2227/70** (2013.01 - EP US)

Citation (opposition)

Opponent :

- JP H07117207 A 19950509 - HAMADA INSATSU KIKAI KK
- DE 4341567 A1 19950608 - HEIDELBERGER DRUCKMASCH AG [DE]
- EP 0368177 A2 19900516 - ROLAND MAN DRUCKMASCH [DE]

Cited by

CN105415913A; US6311619B1; WO2007051572A1; WO2007051565A1; WO20078966A2; WO2012134749A1; EP0813962B1; WO9942291A1; WO2012125303A1

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DOCDB simple family (application)

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