

Title (en)

METHOD AND PRINTING PRESS FOR PRINTING A SUBSTRATE

Title (de)

VERFAHREN UND DRUCKMASCHINE ZUM BEDRUCKEN EINES SUBSTRATES

Title (fr)

PROCÉDÉ ET MACHINE D'IMPRESSION POUR L'IMPRESSION D'UN SUBSTRAT

Publication

EP 2379335 B1 20140226 (DE)

Application

EP 09796677 A 20091214

Priority

- EP 2009067021 W 20091214
- EP 08171915 A 20081217
- EP 09796677 A 20091214

Abstract (en)

[origin: WO2010069900A1] The invention relates to a method for printing a substrate (7) in a printing press. In said method, ink is transferred from a flexible support (3) to the substrate (7) according to a predefined pattern by having a device for applying energy apply energy to the ink through the flexible support (3) such that some of the ink in the effective range of the energy evaporates and a drop of ink (67) is catapulted onto the substrate (7) that is to be printed, and said step is repeated at least once, ink being transferred to the substrate (7) at least in part in the same positions in order to reinforce the created pattern. The substrate is conveyed through the printing press (1) during the printing process, and once ink has been transferred in step (a), the device for applying energy is controlled in such a way that the ink is once again transferred in the same position as in step (a) when the process is repeated in step (b). The invention further relates to a printing press for carrying out said method.

IPC 8 full level

B41J 2/44 (2006.01); **B41J 3/54** (2006.01); **B41M 5/382** (2006.01)

CPC (source: EP KR US)

B41J 2/455 (2013.01 - KR); **B41J 3/54** (2013.01 - EP KR US); **B41J 29/393** (2013.01 - KR); **B41M 5/38221** (2013.01 - EP KR US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2010069900 A1 20100624; AU 2009327176 A1 20110707; AU 2009327176 B2 20140814; CA 2747321 A1 20100624; CA 2747321 C 20151110; CN 102317082 A 20120111; CN 102317082 B 20141112; EP 2379335 A1 20111026; EP 2379335 B1 20140226; ES 2453042 T3 20140403; IL 213481 A0 20110731; IL 213481 A 20140528; JP 2012512066 A 20120531; JP 5592392 B2 20140917; KR 101682732 B1 20161205; KR 20110112357 A 20111012; MX 2011006392 A 20110701; MY 155126 A 20150915; PH 12011501221 A1 20100624; PT 2379335 E 20140402; RU 2011129397 A 20130127; RU 2504479 C2 20140120; SG 172105 A1 20110728; TW 201033015 A 20100916; TW I517982 B 20160121; US 2011298878 A1 20111208; US 8840237 B2 20140923

DOCDB simple family (application)

EP 2009067021 W 20091214; AU 2009327176 A 20091214; CA 2747321 A 20091214; CN 200980156790 A 20091214; EP 09796677 A 20091214; ES 09796677 T 20091214; IL 21348111 A 20110612; JP 2011541370 A 20091214; KR 20117016619 A 20091214; MX 2011006392 A 20091214; MY PI20112735 A 20091214; PH 12011501221 A 20090615; PT 09796677 T 20091214; RU 2011129397 A 20091214; SG 2011042843 A 20091214; TW 98143452 A 20091217; US 200913140480 A 20091214