

Title (en)
METHOD FOR PRINTING A SUBSTRATE

Title (de)
VERFAHREN ZUM BEDRUCKEN EINES SUBSTRATES

Title (fr)
PROCÉDÉ POUR L'IMPRESSION D'UN SUBSTRAT

Publication
EP 2379332 A1 20111026 (DE)

Application
EP 09768083 A 20091214

Priority

- EP 2009067022 W 20091214
- EP 08171921 A 20081217
- EP 09768083 A 20091214

Abstract (en)
[origin: WO2010069901A1] The invention relates to a method for printing a substrate (7). In said method, ink is transferred from an ink support (3) to the substrate according to a predefined pattern by a device for applying energy (11) that applies energy to the ink through the ink support (3) without the ink support (3) and the substrate (7) touching each other. The substrate (7) is introduced into an electric field such that a homogeneous charge field is generated on the surface of the substrate (7). The invention further relates to a printing press comprising an ink support (3) which can be coated with a printing ink, and a device (11) for applying energy to the ink. Said device (11) for applying energy is disposed in such a way that the energy can be applied on the side of the ink support (3) facing away from the ink in a printing zone (9) such that ink is transferred from the ink support (3) to a substrate (7) that is to be printed within an effective range of the energy. Furthermore, in order to generate an electric field, a voltage source (19; 21) or a current source (19; 21) is provided to generate a homogeneous charge field on the surface of the substrate (7).

IPC 8 full level
B41J 2/14 (2006.01); **B41J 11/00** (2006.01)

CPC (source: EP US)
B41J 2/14161 (2013.01 - EP US)

Citation (search report)
See references of WO 2010069901A1

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 2010069901 A1 20100624; CN 102317078 A 20120111; CN 102317078 B 20140528; EP 2379332 A1 20111026; EP 2379332 B1 20140226; ES 2456491 T3 20140422; JP 2012512067 A 20120531; JP 5764495 B2 20150819; TW 201033022 A 20100916; TW I517984 B 20160121; US 2011310205 A1 20111222

DOCDB simple family (application)
EP 2009067022 W 20091214; CN 200980156594 A 20091214; EP 09768083 A 20091214; ES 09768083 T 20091214; JP 2011541371 A 20091214; TW 98143451 A 20091217; US 200913140530 A 20091214