

Title (en)

Apparatus and method for applying an ink image to a receiving material

Title (de)

Gerät und Verfahren zum Auftragen eines Tintenbildes auf ein Aufzeichnungsmaterial

Title (fr)

Dispositif et procédé pour appliquer une image d'encre sur un matériau récepteur

Publication

EP 1491346 A3 20070314 (EN)

Application

EP 04076721 A 20040614

Priority

- EP 04076721 A 20040614
- EP 03077004 A 20030627

Abstract (en)

[origin: EP1491346A2] Apparatus for applying an ink image to a receiving material (3) adapted to be advanced in a direction of advance, comprising: ink application means (6) for applying an ink image to a strip of receiving material, which strip extends in a direction transverse to the direction of advance of the receiving material, wherein the ink application means are movable over the strip of receiving material, carrier means for keeping said strip in a predetermined position with respect to the ink application means, which carrier means comprise a carrier plate (5) for carrying said strip, said carrier plate having recesses and said carrier plate being provided with holes, vacuum means for sucking away air via said holes from the space between the carrier plate and a strip of receiving material lying on the carrier plate, and correction means for correcting local variations in the distance between the receiving material and the ink application means.

[origin: EP1491346A2] The apparatus has an ink application unit to apply an ink image to a strip of a receiving material that extends transversely to the direction of advance of the material. A carrier unit has a plate that keeps the strip in a preset position with respect to the application unit. A correction unit (31) corrects variations in the distance between the material and the application unit to compensate for flight time of ink droplet. An independent claim is also included for a method for applying an ink image to a receiving material.

IPC 8 full level

B41J 11/00 (2006.01); **B41J 3/28** (2006.01); **B41J 11/06** (2006.01); **B41J 11/20** (2006.01); **B41J 25/308** (2006.01)

CPC (source: EP)

B41J 11/0085 (2013.01); **B41J 11/06** (2013.01); **B41J 11/20** (2013.01); **B41J 25/308** (2013.01)

Citation (search report)

- [A] US 6270215 B1 20010807 - MIYASAKA TOSHIAKI [JP], et al
- [A] US 6168269 B1 20010102 - RASMUSSEN STEVE O [US], et al

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

EP 1491346 A2 20041229; EP 1491346 A3 20070314; EP 1491346 B1 20151021

DOCDB simple family (application)

EP 04076721 A 20040614