

Title (en)

DIGITAL PRINTING METHOD AND PRINTING DEVICE HAVING A CUP-SHAPED PRINTING CARRIER

Title (de)

DIGITALES DRUCKVERFAHREN UND DRUCKEINRICHTUNG MIT EINEM NÄPFCHENFÖRMIGEN DRUCKTRÄGER

Title (fr)

PROCEDE D'IMPRESSION NUMERIQUE ET DISPOSITIF D'IMPRESSION COMPRENANT UNE FORME D'IMPRESSION A SURFACE EN FORME DE GODETS

Publication

EP 1476311 B1 20061108 (DE)

Application

EP 03742457 A 20030219

Priority

- DE 10206936 A 20020219
- EP 0301697 W 20030219

Abstract (en)

[origin: WO03070476A1] The invention relates to a method and device for imprinting a base material (24) according to which the surface of a printing carrier (10) has a multitude of recesses (14). The surface of the printing carrier (10) is provided with a liquid coating. During structuring, the liquid in the recesses (14) is vaporized in ink-attracting areas. Once ink has been applied to the ink-attracting areas, the ink is transferred to the base material. Without additionally cleaning the printing carrier, a liquid coating is applied once again thereto after which structuring occurs.

IPC 8 full level

B41M 1/00 (2006.01); **B41M 1/10** (2006.01); **B41C 1/055** (2006.01); **B41N 1/06** (2006.01); **B41N 3/00** (2006.01)

CPC (source: EP US)

B41C 1/055 (2013.01 - EP US); **B41M 1/10** (2013.01 - EP US); **B41N 1/06** (2013.01 - EP US); **B41N 3/003** (2013.01 - EP US)

Cited by

CN11447222A

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 PT SE SI SK TR

DOCDB simple family (publication)

WO 03070476 A1 20030828; AT E344733 T1 20061115; DE 10206936 A1 20030911; DE 50305633 D1 20061221; EP 1476311 A1 20041117; EP 1476311 B1 20061108; JP 2005527396 A 20050915; US 2005115424 A1 20050602

DOCDB simple family (application)

EP 0301697 W 20030219; AT 03742457 T 20030219; DE 10206936 A 20020219; DE 50305633 T 20030219; EP 03742457 A 20030219; JP 2003569411 A 20030219; US 50476205 A 20050121