

Title (en)

METHOD, DEVICE AND PRINTING MOULD FOR CONVEYING FREE-FLOWING PRINTING INK ONTO A PRINTABLE SUBSTANCE

Title (de)

VERFAHREN, VORRICHTUNG UND DRUCKFORM ZUM ÜBERTRAGEN VON FLIESSFÄHIGER DRUCKFARBE AUF EINEN BEDRUCKSTOFF

Title (fr)

PROCEDE, DISPOSITIF ET FORME D'IMPRESSION POUR TRANSFERER UNE ENCRE D'IMPRIMERIE COULANTE SUR UN MATERIAU A IMPRIMER

Publication

**EP 1154905 B1 20030402 (DE)**

Application

**EP 99964688 A 19991231**

Priority

- DE 19900046 A 19990104
- EP 9910478 W 19991231

Abstract (en)

[origin: WO0040423A1] The invention relates to a method and a device for conveying free-flowing printing ink onto a printable substance. A printing mould is provided with a body having a surface with a plurality of openings. A plurality of gas-containing cavities lead into said openings. Each cavity is provided with a device for producing a depression in the respective cavity. The opening of a cavity is covered with a printing ink and a depression is then produced in the respective cavity. The printing ink can thereby be suctioned into the cavity, into the area which is close to the opening.

IPC 1-7

**B41M 1/10**

IPC 8 full level

**B41J 2/475** (2006.01); **B41J 2/325** (2006.01); **B41J 31/00** (2006.01); **B41J 31/05** (2006.01); **B41L 19/00** (2006.01); **B41M 1/10** (2006.01); **B41M 5/00** (2006.01)

CPC (source: EP US)

**B41M 1/10** (2013.01 - EP US)

Cited by

CN106166895A; DE102006022522B4; DE102013218961A1; US7703394B2

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

**WO 0040423 A1 20000713**; AU 3044400 A 20000724; DE 59904895 D1 20030508; EP 1154905 A1 20011121; EP 1154905 B1 20030402; JP 2002534291 A 20021015; JP 4384361 B2 20091216; US 2002000190 A1 20020103; US 6651560 B2 20031125

DOCDB simple family (application)

**EP 9910478 W 19991231**; AU 3044400 A 19991231; DE 59904895 T 19991231; EP 99964688 A 19991231; JP 2000592154 A 19991231; US 89969601 A 20010705