

Title (en)

METHOD AND DEVICE FOR SELECTIVE SPRAY APPLICATION OF SCENTED PRINTING MATERIAL

Title (de)

VERFAHREN UND VORRICHTUNG FÜR SELEKTIVE SPRÜHVORRICHTUNG VON PARFÜMIERTEM DRUCKMATERIAL

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR L'APPLICATION SÉLECTIVE PAR PULVÉRISATION DE MATÉRIAU D'IMPRESSION PARFUMÉ

Publication

**EP 3313583 B1 20190925 (EN)**

Application

**EP 16732335 A 20160519**

Priority

- PL 41239215 A 20150520
- IB 2016052958 W 20160519

Abstract (en)

[origin: WO2016185430A1] The object of the invention is a method consisting in the use of hydrodynamic or pneumatic spraying for the application of a scented printing material on any chosen field of a moving printing substrate (9) and is implemented by means of hydrodynamic spray nozzles (8) as hydrodynamic spraying or by means of pneumatic spray nozzles (26) as pneumatic spraying. The object of the invention is also a device for selective spray application of the scented printing material, consisting of an application head (6) in which the hydrodynamic spray nozzles (8) or the pneumatic spray nozzles (26) are mounted. The device consists of a tank (1) for the scented printing material with a circulation pump (2) which, in the hydrodynamic spraying variant, is connected to a high-pressure positive displacement pump (3) supplied, from the network, with compressed air having a pressure adjustable by means of an electrically-controlled reducing valve (4), wherein the high-pressure pump (3) is connected through a high- pressure pipe (5) to the application head (6) consisting of an electrically-controlled valve (7) and of a hydrodynamic spray nozzle (8) located above or under the moving printing substrate (9). A filter (10), a pressure gauge (11) and a flow meter (12) are mounted to the high-pressure pipe (5). The device has a device controller (13) mounted, which is connected to a control system (14) of the printing machine (15), to the flow meter (12), to the electrically-controlled reducing valve (4), to the electrically-controlled valve (7) in the application head (6). The printing unit of the printing machine (15) or other polygraph machine has an inductive sensor (16) of the printing cylinder position mounted, connected to the device controller (13).

IPC 8 full level

**B05B 12/08** (2006.01); **B05B 9/04** (2006.01); **B05B 12/12** (2006.01); **B05C 11/10** (2006.01)

CPC (source: EP)

**B05B 12/085** (2013.01); **B05B 12/12** (2013.01); **B05B 9/0409** (2013.01)

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2016185430 A1 20161124**; EP 3313583 A1 20180502; EP 3313583 B1 20190925; PL 227073 B1 20171031; PL 412392 A1 20161121

DOCDB simple family (application)

**IB 2016052958 W 20160519**; EP 16732335 A 20160519; PL 41239215 A 20150520