

Title (en)

METHOD AND DEVICE FOR INK-JET APPLICATION ON SHEET-TYPE SUBSTRATES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM INK-JET-AUFTRAG AUF FLÄCHIGEN SUBSTRATEN

Title (fr)

PROCÉDÉ ET DISPOSITIF D'APPLICATION PAR JET D'ENCRE SUR DES SUBSTRATS PLATS

Publication

**EP 3512707 B1 20220119 (DE)**

Application

**EP 17767805 A 20170912**

Priority

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- EP 2017072823 W 20170912

Abstract (en)

[origin: WO2018050617A1] In order to prevent streaks during the ink-jet paint coating of substrates, a method is provided for printing sheet-type substrates, in which - a substrate (3) is moved in a feed direction (4) past an application device (7) by means of a conveying device (5) and - as the substrate is being moved, the application device (7) applies a liquid application material (9) drop-by-drop to the surface (30) of the substrate (3) in a pattern (14) with a pre-defined contour (15), in particular leaving out regions (16), through multiple ink-jet nozzles (70) arranged in a row transversely to the feed direction, in response to computer-controlled activation signals, wherein - during the application of the pattern (14) and during the movement of the substrate (3) the ink-jet nozzles (70) are moved back-and-forth transversely to the feed direction (4), preferably in the longitudinal direction of the arranged row of ink-jet nozzles (70), such that the paths (72) travelled by the nozzles (70) over the substrate by the overlap of the back-and-forth movement with the movement in the feed direction (4) have direction components running perpendicular to the feed direction (4).

IPC 8 full level

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Citation (examination)

- US 2011247511 A1 20111013 - CARLSON DANIEL H [US], et al
- US 2014015881 A1 20140116 - VEIS ALEX [IL]
- US 2012314003 A1 20121213 - KERSEY KEVIN T [US]

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