

Title (en)

PRINTING UNIT, AND METHOD FOR OPERATING A SQUEEGEE DEVICE IN A PRINTING UNIT

Title (de)

DRUCKWERK SOWIE VERFAHREN ZUM BETREIBEN EINER RAKELEINRICHTUNG IN EINEM DRUCKWERK

Title (fr)

GROUPE D'IMPRESSION ET PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN SYSTÈME DE RACLE DANS UN GROUPE D'IMPRESSION

Publication

**EP 3294555 A1 20180321 (DE)**

Application

**EP 16717654 A 20160422**

Priority

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Abstract (en)

[origin: WO2016180616A1] A printing unit (02) according to the invention of a printing press which prints a printing material at at least one printing point in accordance with a screen printing method comprises a screen-printing screen (43), a squeegee (44) which, in a thrown-on position, is set with a squeegee edge against the screen-printing screen and/or can be set against the screen-printing screen, and a bearing device (53) which makes throwing on and off possible between the thrown-on position of the squeegee (44) and a thrown-off position, which bearing device (53) is arranged, for example, indirectly or directly on a frame which supports the screen-printing screen (43) indirectly or directly. Furthermore, it comprises a drive device (74), by way of which the squeegee (44) can be thrown onto the screen-printing screen (43) and can be thrown off the latter, and a drive means (56) which is included in the drive device (74) and by way of which the throwing-on and throwing-off movement of the squeegee (44) can be brought about mechanically independently of a rotational drive of the screen-printing screen (43) and of a conveying means which conveys the printing material. Here, the drive means (56) which brings about the throwing-on and throwing-off movement can be moved reproducibly via a control device (64) which controls the drive means into at least one operating state which brings about a thrown-off position and at least two further operating states which are defined differently from one another and the taking up of which results in each case in a thrown-on position with radial relative positions and/or throwing-on forces which are different from one another between the squeegee (44) and the screen-printing screen (43). In order to throw on the squeegee (44), it is moved from a thrown-off position ("AB") into a thrown-on position ("AN"), which can be varied with regard to the intensity of the throwing-on action, by way of the drive means (56) which brings about the throwing-on and throwing-off movement of the squeegee via a control device (64) which controls the drive means.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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Cited by

DE102019130862B3; EP3825595A1; WO2021094096A1; US11485035B2; EP4269053A2

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