

Title (en)

GRAVURE PRINTING UNITS AND METHODS FOR ADJUSTING AND/OR MODIFYING INK TRANSFER IN A GRAVURE PRINTING METHOD

Title (de)

TIEFDRUCKWERKE UND VERFAHREN ZUM EINSTELLEN UND/ODER ÄNDERN EINES FARBTRANSFERS IN EINEM TIEFDRUCKVERFAHREN

Title (fr)

UNITÉS D'IMPRESSION EN CREUX ET PROCÉDÉS POUR AJUSTER ET/OU MODIFIER UN TRANSFERT D'ENCRE DANS UN PROCÉDÉ D'IMPRESSION EN CREUX

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Abstract (en)

[origin: WO2020161058A2] The invention relates to a gravure printing system (500) for printing on a substrate (S; S') according to a gravure printing method, comprising a form cylinder (503) which has a image-forming pattern of recesses (514) on the circumference thereof, and an inking unit (508) via which the pattern of recesses (514) provided on the form cylinder (503) is inked, wherein the form cylinder (503) can be partially inked from the direction of an inking device (511) via a first inking unit cylinder (512) having recesses (513) in the region of it's casing surface (518) corresponding to recesses (514) on the form cylinder (503), and via a second inking unit cylinder which cooperates with the first inking unit cylinder and having ink-transferring elevations (524; 524') or raised regions (522) on its circumference. In order to control the ink transfer, the inking unit cylinder (512) having the recesses (513) is designed such that it can be temperature-controlled and/or has a temperature control means in the ink supply and/or a pressure supply between inking unit cylinders (512; 519; 531), which can be varied during operation. The invention also relates to a method for adjusting and/or changing an ink transfer and for operating the gravure printing system (500).

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