

Title (en)

INTAGLIO PRINTING UNIT FOR PRINTING SUBSTRATE USING AN INTAGLIO PRINTING METHOD

Title (de)

TIEFDRUCKWERK ZUM BEDRUCKEN VON SUBSTRAT NACH EINEM TIEFDRUCKVERFAHREN

Title (fr)

UNITÉ D'IMPRESSION EN CREUX À IMPRIMER DU SUBSTRAT SELON UN PROCÉDÉ D'IMPRESSION EN CREUX

Publication

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Application

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Abstract (en)

[origin: WO2020161057A1] The invention relates to a gravure printing unit (500) for printing a substrate (S) in accordance with a gravure printing process, comprising a plate cylinder (503) which has a pattern of recesses (514) over its circumference, which pattern provides the image, and comprising an inking unit (508) for inking the pattern of recesses (514) provided on the plate cylinder (503). The inking unit comprises a first inking unit cylinder (512), which has recesses (513) in the region of its lateral surface (518) that correspond to recesses (514) on the plate cylinder (503), and forms a downstream nip point together with a second inking unit cylinder (519) which has ink transferring elevations (524; 524') or raised regions (522) over its circumference. The recesses (513) are provided on the lateral surface of an ink-transfer-plate sleeve (637). For this purpose, the first inking unit cylinder (512) comprises a cylinder body (628), which is or can be mounted so as to be rotatable in the inking unit (508) and on which an ink-transfer-plate sleeve (637) is or can be detachably arranged, which ink-transfer-plate sleeve is closed over its circumference and carries the recesses (513) of the first inking unit cylinder (512) on its outwardly pointing surface (632). The invention further relates to a printing machine having a gravure printing unit of this type, to a setting up method, and to an ink-transfer-plate sleeve (637) and a method for the production thereof.

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