

Title (en)

Inking unit with zonal dosage of the ink quantity.

Title (de)

Farbwerk mit zonaler Dosierung der Farbmenge.

Title (fr)

Unité d'encrage avec dosage zonale de la quantité d'encre.

Publication

EP 0428888 B1 19940309 (DE)

Application

EP 90120366 A 19901024

Priority

DE 3938447 A 19891118

Abstract (en)

[origin: JPH03169554A] PURPOSE: To obtain an inker for controlling an ink amount desired to be distributed so that all inker rollers are remarkably slightly worn by providing at least one auxiliary roller compressible of a variable contact pressure to at least one inker roller having a plastic surface. CONSTITUTION: The inker comprises an anilox roller 1, an ink application roller 2 having a flexible surface, and an auxiliary roller 4 having a hard surface. An ink removed from an ink tray 11 by the roller 1 is first delivered to the roller 2, then delivered from the roller 2 to a plate cylinder 3. In this case, the roller 1 is scraped by using a doctor 12. In this case, at the time of transferring the ink, the ink amount delivered from one roller to the other roller or from the other roller to the one roller is related with the width of a contact area of the rollers to be brought into contact. This zone is also called a pressure zone. A sufficient printing ink is delivered from the one roller to the other roller merely by pressing the one roller to the other roller.

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B41F 31/12

IPC 8 full level

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EP 0428888 A2 19910529; **EP 0428888 A3 19910911**; **EP 0428888 B1 19940309**; DE 3938447 A1 19910523; DE 3938447 C2 19920123; DE 59004894 D1 19940414; JP H03169554 A 19910723; US 5060571 A 19911029

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