

Title (en)

Printing device, and printing state and printing position detection and correction methods for printing device

Title (de)

Druckvorrichtung sowie Feststellungs- und Korrekturverfahren für den Druckzustand und die Druckposition der Druckvorrichtung

Title (fr)

Dispositif d'impression et les méthodes pour détecter et corriger l'état et la position d'impression du dispositif d'impression

Publication

**EP 0540430 B1 19971229 (EN)**

Application

**EP 92420320 A 19920918**

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- JP 26850291 A 19910919
- JP 26850391 A 19910919

Abstract (en)

[origin: EP0540430A2] A printing device (1) is disclosed comprising a duplicator (3) for performing intermittent printing onto a strip-shaped article subjected to printing (S1) supplied from a paper supply device (2) using a printing impression-roll which performs positive or reversed rotation while performing forward or backward movement in a direction perpendicular to a sending direction of the strip-shaped article subjected to printing (S1); a die cutting device (5) for punching a strip-shaped printed article (S2) printed by the duplicator (3) into a suitable shape; and a punched residue winding device (6) for winding a punched residue (A) after punching by the die cutting device (5); wherein the duplicator (3) is provided with an ink applying device (11) which allows a forward-step application roller for applying ink during the forward step onto a printing impression face of the printing impression roll which performs positive or reversed rotation while performing forward or backward movement, and a backward-step application roller for applying ink during the backward step to contact with each of the individual ink rolls which rotate in the reversed direction with respect to the rotation direction of each of the application rollers so as to adhere ink onto each of the application rollers, the ink applying device comprising a bottling roll (13) for sending ink from an ink tank (12); an access roll (15) which performs rotational movement with a support arm (14) so as to suitably abut against the bottling roll (13), and a fixed metal roll (18) and a kneading roll (19) for adhering ink supplied by the bottling roll (13) and the access roll (15) onto the ink rolls (16,17), the kneading roll (19) being rotated at a high speed so as to adhere ink onto the kneading roll (19), the ink rolls (16,17) and the fixed metal roll (18) for circulating the ink; whereby the formation is made so as to equalize adhesion of ink onto the application rollers.

IPC 1-7

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Citation (examination)

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- EP 0321402 A1 19890621 - GRETAG AG [CH]
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