

Title (en)

Method and device for detecting registration marks in a multicolour printing press.

Title (de)

Vorrichtung und Verfahren zum Detektieren von Registermarken in einer Mehrfarbendruckpresse.

Title (fr)

Procédé et dispositif de détection des marques de repérage de l'impression dans une presse à imprimer à plusieurs couleurs.

Publication

**EP 0401691 B1 19940316 (FR)**

Application

**EP 90110405 A 19900601**

Priority

CH 218189 A 19890608

Abstract (en)

[origin: EP0401691A2] The method involves detecting a printed registration mark (1) composed of signs (3a to 3e) and of colour printing flags (4a, 4c), comparing the image of the signs (3a to 3e) of the printed registration mark (1) with the signs of a virtual reference registration mark, then subsequently defining a base area (5a to 5c) for each sign (3a to 3e), calculating the geometrical centres (6a to 6c) of each base area (5a to 5c), detecting a colour printing flag (4a to 4c) in these base areas, calculating and storing their geometrical centre (7a to 7c), measuring the position deviations ( DELTA x to DELTA x<2> and DELTA y to DELTA y<2>) between the geometrical centres (6a to 6c) of the base areas (5a to 5c) and the geometrical centres (7a to 7c) of the colour printing flags (4a to 4c), and finally using these results in order to control the member for correcting the registration errors of a printing press. <??>The method is used in the sector of the control of the registration of colours in multicolour printing presses. <IMAGE>

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IPC 8 full level

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Cited by

CN109203629A; EP0453974A3; DE4335351A1; DE4335351C2; DE4235393A1; US5802973A; DE102007049679A1; DE102007049679B4; EP1219420A1; US7170648B2

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