

Title (en)

Device for scanning register marks in a multicolour printing machine

Title (de)

Vorrichtung zur Abtastung von Registermarken in einer Mehrfarbendruckmaschine

Title (fr)

Dispositif de lecture de marques de repérage dans une machine d'impression polychrome

Publication

EP 1219420 B1 20080416 (FR)

Application

EP 01128209 A 20011128

Priority

CH 25282000 A 20001227

Abstract (en)

[origin: US2002080430A1] Scanning device (1) for register marks (21, 22, 31, 32) printed onto a substrate (2) travelling into a polychrome printing machine. This device comprises at least one light source (3, 4) enlightening, onto the substrate (2), a lighting area (5) crossed by the register marks (21, 22, 31, 32), an optic (6) which allows obtaining onto a photosensitive element (7) the images of said register marks named as a plurality of portions (8) successively scanned with a certain scanning rate, as well as a microprocessor (9) driving the light of the light source (3, 4) and controlling electric pulses issued by pixels (17) of the photosensitive element (7). The source (3, 4) enlightens the lighting area (5) of the substrate (2) with at least one modulation of its color and/or of its intensity during the simultaneous or sequential scanning of at least two register marks. (21, 22, 31, 32).

IPC 8 full level

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CPC (source: EP US)

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Cited by

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