

Title (en)

Automatic device for detecting misprints on, for example, metallized webs

Title (de)

Automatische Einrichtung zum Nachweis von Druckfehlern zum Beispiel auf metallisiertes Bahnmaterial

Title (fr)

Dispositif automatique de détection de défauts d'impression par exemple sur des bandes métallisées

Publication

EP 0983853 B1 20030502 (FR)

Application

EP 99116453 A 19990821

Priority

CH 178898 A 19980902

Abstract (en)

[origin: EP0983853A1] The device comprises a darkened housing (2) into which is fed the metallic strip (3) on rollers (4,5). The printed side of the strip is illuminated directly by flash lights (13,14) and indirectly a further flash lights (11,12) using a reflective diffusing surface (25). The objective lens of a video camera is located in a central opening in the diffuser to enable a section (7) of the strip to be examined. The objective lens is fitted with a semi-transparent filter (57) obliquely angled to reflect light received directly from the lower exterior lamp, which itself is fitted with a translucent diffuser. The lights and camera are located on a mounting assembly which can be moved within the housing to scan the full width of the strip. The camera is linked to a computer and monitor, to view and record reference and actual images, at pixel level, to detect print defects.

IPC 1-7

B41F 33/00

IPC 8 full level

B41F 33/14 (2006.01); **B41F 33/00** (2006.01); **G01N 21/84** (2006.01); **G01N 21/892** (2006.01)

CPC (source: EP US)

B41F 33/0036 (2013.01 - EP US)

Cited by

DE102007025910A1; DE102007025910B4; US12070764B2; WO2008145349A3; US11485101B2; US11911992B2; US11310467B2; US11937020B2; US10642551B2; US11807480B2; US11449290B2; US11520544B2; US11907595B2

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