

Title (en)

Device for carrying out a comprehensive quality control on printed sheets.

Title (de)

Vorrichtung zur Durchführung einer umfassenden Qualitätskontrolle an Druckbogen.

Title (fr)

Dispositif pour effectuer un vaste contrôle de qualité de feuilles imprimées.

Publication

EP 0410253 B1 19940601 (DE)

Application

EP 90113564 A 19900716

Priority

DE 3924989 A 19890728

Abstract (en)

[origin: EP0410253A2] In a device for data acquisition, control and display of measurement values in quality control on a printing machine, the printed sheet, lying on a sampling bench, is scanned with a video camera for integrating work sequences and for improving work quality and operation. The data are stored in a store for digital image data. At the sampling bench, measuring devices for acquiring quality data of the printed image are arranged and provided with markings. A light source is provided in parallel with the video camera both for displaying data and as guiding device for the measuring devices. Between the video camera and the light source, one or more systems for image evaluation, particularly for pattern recognition, are provided which utilise the data of the memory for the image data. Colorimetry devices, registration measuring devices or hand scanners, that is to say small-format scanners which are manually moved over the area to be scanned, can be considered as measuring devices.

IPC 1-7

B41F 33/00

IPC 8 full level

B41F 31/02 (2006.01); **B41F 33/00** (2006.01); **B41J 29/46** (2006.01); **B41J 35/16** (2006.01); **G01N 27/84** (2006.01)

CPC (source: EP US)

B41F 33/0036 (2013.01 - EP US)

Cited by

DE102009027262A1; US5724437A; EP0522332A1; EP2974865A1; EP1361056A1; US5329852A; USRE35495E; EP1714786A3; EP2756953A1; DE202009014632U1; DE202009016719U1; US8237828B2; US6748860B2; WO9500335A1; WO2016198418A1; WO2014111466A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0410253 A2 19910130; **EP 0410253 A3 19910731**; **EP 0410253 B1 19940601**; AT E106320 T1 19940615; DE 3924989 A1 19910207; DE 3924989 C2 19910508; DE 59005891 D1 19940707; JP H03218836 A 19910926; JP H07102683 B2 19951108; US 5163012 A 19921110

DOCDB simple family (application)

EP 90113564 A 19900716; AT 90113564 T 19900716; DE 3924989 A 19890728; DE 59005891 T 19900716; JP 19934690 A 19900730; US 55820090 A 19900724