

Title (en)
Closed loop register control.

Title (de)
Registerregelung in geschlossener Schleife.

Title (fr)
Dispositif de repérage à boucle fermée.

Publication
EP 0127831 A2 19841212 (EN)

Application
EP 84105774 A 19840521

Priority
US 50033683 A 19830602

Abstract (en)
A closed loop register control system used in association with a printing press and comprising a television camera in combination with a strobe light and a solid state imaging device which enables continuous scanning of the sheet web. The apparatus of this invention also comprises a printing press console having associated therewith a digitizing tablet and a television monitor. The location of the area that is to be examined is defined by the pressman. The area to be examined may be selected by laying a proof sheet down on the digitizing tablet and recording the coordinates of the area of interest. This controls the camera and strobe light with the pressman selecting one part of the image as important and causing the register mechanism to maintain register in that selected area. Electronics then making comparisons between the detected image and a desired reference image to cause correction on a per color basis at the printing press stations.

IPC 1-7
B41F 33/00

IPC 8 full level
G01J 3/50 (2006.01); **B41F 33/00** (2006.01); **B41F 33/14** (2006.01); **B41M 1/14** (2006.01)

CPC (source: EP)
B41F 33/0036 (2013.01)

Cited by
US5816151A; EP0699482A1; US5125037A; DE102016000335A1; US4932320A; EP0802054A3; EP0796735A1; EP0401691A3; US5138667A; EP1300243A3; DE102008023961A1; EP0554811A1; EP0392814A3; DE4321179A1; US6050192A; US6119594A; EP0452700A3; DE4012608A1; US5181257A; FR2633062A1; US6779454B2; DE102011113885A1; US6333987B1; WO8901867A1; US6301374B1; WO9736749A1; WO9511806A1

Designated contracting state (EPC)
BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0127831 A2 19841212; EP 0127831 A3 19851113; EP 0127831 B1 19900314; CA 1230412 A 19871215; DE 3481595 D1 19900419; JP H0469068 B2 19921105; JP S6068947 A 19850419

DOCDB simple family (application)
EP 84105774 A 19840521; CA 455489 A 19840530; DE 3481595 T 19840521; JP 11290584 A 19840601