

Title (en)
PREADJUSTMENT DEVICE FOR PRINTING MACHINES

Publication
EP 0114957 B1 19880601 (DE)

Application
EP 83111488 A 19831117

Priority
DE 3302798 A 19830128

Abstract (en)
[origin: US4553478A] A system for presetting register and color zone adjusting devices in a multi-color rotary printing machine uses digitally-driven optical scanners axially traversing the plate cylinders under control of at least one numerical computer. Machine-specific characteristics are programmed in non-volatile memory as referenced values. Data processing is not required to be conducted external to the printing machine. The system is compact and requires practically no re-adjustment or entry of desired values from the machine operator. The machine operator, however, may enter coordinates for printing areas on the printing plate in order to speed up the scanning process for determining the initial color zone preset. The scanner multi-functionally scans the printing plate for both register adjustment and for integrating the ratio of printing to non-printing area for each inking zone. The system is easily reprogrammed and the optical scanner is interchangeable with a densitometer in order to provide alternative control functions during printing, such as the regulation of inking and dampening.

IPC 1-7
B41F 33/00

IPC 8 full level
B41F 13/12 (2006.01); **B41F 13/24** (2006.01); **B41F 33/00** (2006.01); **B41F 33/14** (2006.01)

CPC (source: EP US)
B41F 33/0027 (2013.01 - EP US)

Cited by
EP0642012A1; US8534194B2; WO2016028801A3; WO2013083722A3; WO2008049500A3

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

DOCDB simple family (publication)
EP 0114957 A2 19840808; **EP 0114957 A3 19851113**; **EP 0114957 B1 19880601**; AT E34706 T1 19880615; DE 3302798 A1 19840802; DE 3302798 C2 19870305; JP H0829582 B2 19960327; JP S59187857 A 19841025; US 4553478 A 19851119

DOCDB simple family (application)
EP 83111488 A 19831117; AT 83111488 T 19831117; DE 3302798 A 19830128; JP 1222384 A 19840127; US 57269384 A 19840120