Title (en)

A system for dynamically monitoring and controlling a web printing press

Title (de)

System zur dynamischen Überwachung und Regelung einer Rollenrotationsdruckmaschine

Title (fr)

Système pour surveiller et de controller dynamiquement une machine à imprimer des bandes

Publication

EP 1262323 B1 20100127 (EN)

Application

EP 01304715 A 20010529

Priority

EP 01304715 A 20010529

Abstract (en)

[origin: EP1262323A1] A system for use with a web printing press for providing overall control of the operations of multiple systems, including a system for measuring the reflective density of printed ink in real time during high speed operation and for controlling the color density and registration of the press. The system digitizes images of targets located in the test print area within an impression and analyzes the images to determine a multiplicity of print characteristics of multiple colors and also determines and controls registration among the various print stations. The system is adapted for use with modern presses having extremely small gap size and extremely small test print area size by initially searching for and locating a registration target pattern and after any necessary adjustment then analyzes digitized images of targets located across the web. The system measures and controls inking and registration of the web up to a key-by-key incremental basis and also includes a process manager for presetting jobs, efficiently carrying out press make-readies, building a database by gathering all necessary operating data on the press and its systems, monitoring press systems and equipment such as the color density and registration control system, web guides, ribbon slicing and convergence systems and the like. <IMAGE>

IPC 8 full level

B41F 33/00 (2006.01)

CPC (source: EP)

B41F 33/0045 (2013.01); B41P 2213/90 (2013.01); B41P 2233/51 (2013.01); B41P 2233/52 (2013.01)

Cited by

EP1752291A1; EP1403045A3; DE102007059842A1; EP2368711A1; WO2011117365A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1262323 A1 20021204; **EP 1262323 B1 20100127**; DE 60141199 D1 20100318

DOCDB simple family (application)

EP 01304715 A 20010529; DE 60141199 T 20010529