

Title (en)

Method for monitoring and controlling the printing process, especially in offset printing machines

Title (de)

Verfahren zur Überwachung und Regelung des Druckprozesses, insbesondere an Offsetdruckmaschinen

Title (fr)

Procédé de surveillance et de réglage du processus d'impression, en particulier dans les machines à imprimer en offset

Publication

EP 0522301 B1 19960306 (DE)

Application

EP 92109783 A 19920611

Priority

DE 4122794 A 19910710

Abstract (en)

[origin: EP0522301A1] A method for monitoring and controlling the printing process, especially in offset printing machines is proposed, in which increases in tonal value, for example, are not to be evened out solely by varying the inking. The method according to the invention is divided into a learning phase and an ability phase. The quality characteristics which can be recorded by measurement on the printing product form a characteristics space in which association vectors from process-related evaluations of trial prints are assigned to certain categories and/or causes of interferences (learning phase). In the ability phase, that is to say the control and monitoring of the printing process, on the basis of the association with the category and/or the cause of the interference determined, said category is displayed and/or interventions are made in the process via the cause determined in this manner with the aim of eliminating said cause. <IMAGE>

IPC 1-7

B41F 33/00

IPC 8 full level

B41F 31/02 (2006.01); **B41F 33/00** (2006.01); **B41F 33/14** (2006.01)

CPC (source: EP)

B41F 33/0036 (2013.01); **B41P 2233/51** (2013.01)

Cited by

EP0741026A3; DE102005018855B4; DE102005018855A1; US6373964B1; US8237828B2; EP0705171B1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL PT SE

DOCDB simple family (publication)

EP 0522301 A1 19930113; **EP 0522301 B1 19960306**; AT E134931 T1 19960315; DE 4122794 A1 19930114; DE 59205546 D1 19960411; JP H05229106 A 19930907

DOCDB simple family (application)

EP 92109783 A 19920611; AT 92109783 T 19920611; DE 4122794 A 19910710; DE 59205546 T 19920611; JP 18208992 A 19920709