

Title (en)
PRESS PRESETTING METHOD

Publication
EP 0031358 B1 19840926 (EN)

Application
EP 80901371 A 19810112

Priority
US 5193079 A 19790625

Abstract (en)
[origin: WO8100007A1] A method of automatic control of a printing press (10) comprising the steps of scanning a representation of an image to be printed by means of a light table (70) to derive therefrom objective data representing the average density of the inked image in areas corresponding to those controlled by keys (48) of an ink fountain, producing multiple printed copies (85) of the image as a result of subjective operator (80) intervention in the setting of the fountain keys, recording the objective data in memory (75) and subjective data representing the setting of the fountain keys as set by the operator in memory (90) for a plurality of different press runs, analyzing both the objective data and the key setting data by examining a plurality of harmonic components thereof sufficiently large to represent accurately that data by circuit means (100), correlating by a linear regression analysis respective harmonic components of the objective data and subjective data over said plurality of press runs and storing said linear regression parameters, thereafter scanning a representation of a new image to be printed by light table (70) to derive objective data therefrom, analyzing the new objective data by examining its harmonic components in circuit means (100) and by applying the regression parameter data for each previously found harmonic values, deriving therefrom key setting instructions for presetting the press (10).

IPC 1-7
B41F 31/04; B41L 27/06

IPC 8 full level
B41F 33/00 (2006.01)

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

Cited by
DE3620152A1; US7059245B2

Designated contracting state (EPC)
DE FR GB SE

DOCDB simple family (publication)
WO 8100007 A1 19810108; DE 3069280 D1 19841031; EP 0031358 A1 19810708; EP 0031358 A4 19811124; EP 0031358 B1 19840926; EP 0031358 B2 19900801

DOCDB simple family (application)
US 8000772 W 19800623; DE 3069280 T 19800623; EP 80901371 A 19810112