

Title (en)

METHOD AND DEVICE FOR MONITORING AND/OR CORRECTING THE ALIGNMENT OF AN INK-JET PRINTER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ÜBERWACHUNG UND/ODER KORRIGIERUNG DER DRUCKPOSITION BEI EINEM TINTENSTRAHLDRUCKER

Title (fr)

METHODE ET DISPOSITIF PERMETTANT DE CONTROLER ET/OU DE RECTIFIER L'ALIGNEMENT D'UNE IMPRIMANTE A JET D'ENCRE

Publication

EP 1073557 A1 20010207 (EN)

Application

EP 99916074 A 19990420

Priority

- NL 9900226 W 19990420
- NL 1008973 A 19980423

Abstract (en)

[origin: WO9954142A1] To monitor the alignment of an ink-jet printer (1), a test pattern (4) can be printed on a substrate (3). According to the invention, the substrate (3) comprises a main substrate (31) and an auxiliary substrate (32), the normal patterns being printed on the main substrate (31) and test patterns being printed on the auxiliary substrate (32). In this case, the main substrate (31) and the auxiliary substrate (32) may be made from different materials. A printed test pattern (4) may, in digital form, be compared with an ideal test pattern (4'), and on the basis of this comparison a correction signal is transmitted in order to correct the alignment of the ink-jet printer (1). The correction is preferably carried out to some extent by varying the amplitudes of charging pulses (6) with which the droplets (2) are charged.

IPC 1-7

B41J 29/393; **B41J 2/07**

IPC 8 full level

B41J 2/07 (2006.01); **B41J 29/393** (2006.01)

CPC (source: EP)

B41J 2/07 (2013.01); **B41J 29/393** (2013.01)

Citation (search report)

See references of WO 9954142A1

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

WO 9954142 A1 19991028; AU 3445099 A 19991108; BR 9909855 A 20001219; CN 1297402 A 20010530; EP 1073557 A1 20010207; ID 27076 A 20010222; NL 1008973 C2 19991026

DOCDB simple family (application)

NL 9900226 W 19990420; AU 3445099 A 19990420; BR 9909855 A 19990420; CN 99805228 A 19990420; EP 99916074 A 19990420; ID 20002137 A 19990420; NL 1008973 A 19980423