

Title (en)
PRINTING DEVICE WITH ADJUSTABLE PRINTING HEAD.

Title (de)
DRUCKEINRICHTUNG MIT DRUCKKOPFEINSTELLUNG.

Title (fr)
DISPOSITIF D'IMPRESSION A TETE D'IMPRESSION REGLABLE.

Publication
EP 0542811 B1 19940420

Application
EP 91914103 A 19910806

Priority
• DE 4025483 A 19900810
• EP 9101484 W 19910806

Abstract (en)
[origin: US5360276A] PCT No. PCT/EP91/01484 Sec. 371 Date Feb. 10, 1993 Sec. 102(e) Date Feb. 10, 1993 PCT Filed Aug. 6, 1991 PCT Pub. No. WO92/02370 PCT Pub. Date Feb. 20, 1992. In a printing device having an abutment (10) intended for supporting a recording medium (52), a print head (32) which is movable relative to the abutment (10) in the direction of the lines, an actuating drive (28, 26, 24) for setting the print head distance relative to the abutment (10) and a pressing element (36) which extends the full width of the recording medium and presses the recording medium (52) onto the abutment (10) and can be deflected in accordance with the thickness of the recording medium (52), a magnet (54) is arranged on one of the parts (pressing element 36, part 46 fixed to the print head) and at least one Hall probe (56) is arranged on the respective other part (part 46 fixed to the print head, pressing element 36) in such a way that the magnet (54) and the Hall probe (56) can be brought into congruence with one another in a predetermined print head position corresponding to a measurement position, a circuit arrangement (60) being provided to measure the Hall voltage and to regulate the latter to a predetermined value (intended Hall voltage), which circuit arrangement controls the actuating drive (28, 26, 24) of the print head (32) as a function of a difference between the actual Hall voltage and the intended Hall voltage.

IPC 1-7
B41J 25/308

IPC 8 full level
B41J 7/92 (2006.01); **B41J 25/308** (2006.01)

CPC (source: EP US)
B41J 25/308 (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
US 5360276 A 19941101; DE 4025483 A1 19920213; DE 4025483 C2 19950316; DE 59101459 D1 19940526; EP 0542811 A1 19930526; EP 0542811 B1 19940420; JP H06500274 A 19940113; WO 9202370 A1 19920220

DOCDB simple family (application)
US 97198293 A 19930210; DE 4025483 A 19900810; DE 59101459 T 19910806; EP 9101484 W 19910806; EP 91914103 A 19910806; JP 51316191 A 19910806