

Title (en)

THERMOELECTRIC PRINTING UNIT FOR TRANSFERRING INK TO A PRINT CARRIER

Title (de)

THERMOELEKTRISCHES DRUCKWERK ZUR ÜBERTRAGUNG EINER TINTE AUF EINEN AUFZEICHNUNGSTRÄGER

Title (fr)

GROUPE IMPRIMANT THERMOELECTRIQUE POUR LE TRANSFERT D'UNE ENCRE SUR UN SUPPORT D'IMPRESSION

Publication

**EP 0756544 A1 19970205 (DE)**

Application

**EP 95901343 A 19941129**

Priority

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Abstract (en)

[origin: US5760808A] PCT No. PCT/DE94/01417 Sec. 371 Date Oct. 17, 1996 Sec. 102(e) Date Oct. 17, 1996 PCT Filed Nov. 29, 1994 PCT Pub. No. WO95/29063 PCT Pub. Date Nov. 2, 1995A printing drum (10) contains printing elements (30). These printing elements (30) are each designed as a depression in the surface of the printing drum (10). The printing elements (30) are arranged in the manner of matrix rows. A printing drum (10) has more than one matrix row (33) of printing elements (30). Each printing element (30) contains a selectively activatable heating device (31) which is capable of heating ink (13) contained in the printing element (30), in such a way that, utilizing a gas bubble formed at the same time, the ink is ejected out of the printing element (30) in the direction of a recording medium (14). The printing elements (30) are filled with ink (13) in an inking station (11).

IPC 1-7

**B41J 2/005**

IPC 8 full level

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