

Title (en)

Arrangement of individual ink printing modules for an ink printing head

Title (de)

Anordnung für einen Tintendruckkopf aus einzelnen Tintendruckmodulen

Title (fr)

Agencement de modules individuels d'impression à encre pour une tête d'impression à encre

Publication

EP 0713777 A3 19970423 (DE)

Application

EP 95250207 A 19950823

Priority

DE 4443254 A 19941125

Abstract (en)

[origin: DE4443254C1] The individual modules (1,3,5) form a stack with spacers (2,4). Plate-shaped piezoelectric actuators (11,31,51) with electrodes on both sides are mounted on membrane plates above ink printing chambers and contact conducting paths on them. The identical modules are mutually offset with nozzle rows mutually offset by gaps. The identical, plate-shaped spacers fix the modules with the desired offset as well as separation. Each piezoelectric actuator has active and inactive regions. A common electrode (112,312,512) extends over all inactive regions. Actuator driver circuits (12,32,52) are mounted on the membrane plates and corresp. connected to the conducting tracks (13,33,53). Each module has a plug connector (14,34,54) connected to the corresp. track. The tracks extend from one membrane plate (15,35,55) over at least one lateral module surface to the other membrane plate (17,37,57).

IPC 1-7

B41J 2/145; **B41J 2/045**

IPC 8 full level

B41J 2/045 (2006.01); **B41J 2/14** (2006.01)

CPC (source: EP US)

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Citation (search report)

- [DA] DE 4225799 A1 19940203 - FRANCOTYP POSTALIA GMBH [DE]
- [DA] US 4703333 A 19871027 - HUBBARD DAVID W [US]

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