

Title (en)
Needle matrix print head.

Title (de)
Matrixnadeldruckkopf.

Title (fr)
Tête d'impression à matrice d'aiguilles.

Publication
EP 0462684 B1 19940615 (DE)

Application
EP 91250115 A 19910425

Priority
DE 4020010 A 19900621

Abstract (en)
[origin: EP0462684A1] In a matrix needle printhead (1), in each case electromagnetic drives (5) are provided for each print needle (3) for longitudinal movements and in order to produce guide mouthpieces (9) which can be moved backwards and forwards and up and down for high-speed or letter quality printing, a lifting magnetic device (10) serving for two defined limit positions of a magnetic armature (11). <??>In order to accommodate the lifting magnetic device in the smallest possible space, that is to say compactly, and to improve the switching frequency, it is proposed that the lifting magnetic device (10) be arranged and mounted in its entirety in a region (15) which is immediate with respect to the guide mouthpiece (9) and has a magnetic yoke (17) with two or more magnetic poles (18, 19), it being possible to move an armature body (21) backwards and forwards or up and down between the matching distance (20) of two magnetic poles (18, 19) of different polarity, by switching on and off or by reversing the polarity of the switched-on lifting magnetic coil (22) and the guide mouthpiece (9) being mounted on the guided armature body (21).
<IMAGE>

IPC 1-7
B41J 2/265

IPC 8 full level
B41J 2/255 (2006.01); **B41J 2/265** (2006.01)

CPC (source: EP US)
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Cited by
US5793392A; WO9700174A3

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