

Title (en)
MATRIX PRINT HEAD

Publication
EP 0408158 A3 19910904 (DE)

Application
EP 90250162 A 19900626

Priority
DE 3922993 A 19890710

Abstract (en)
[origin: EP0408158A2] A matrix printhead has a plurality of armature modules which each consist of a magnet yoke (9) with an electromagnet coil (10) arranged on one of the magnet yoke legs (9a) and of an armature (8) which serves as drive for a print element (2), it being possible to adjust the armature (8) in a rapid sequence towards the pole faces (20b) of the magnet yokes (9) and back into a position of rest. In order to reduce wear at the pole faces (20a and 20b) and at wear faces (18), it is proposed that it be possible to store temperature-resistant lubricants in capillary cavities (17) of the armature (8) and/or magnet yoke (9) and that these capillary cavities (17) open onto wear faces (18). <IMAGE>

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B41J 2/27

IPC 8 full level
B41J 2/27 (2006.01)

CPC (source: EP)
B41J 2/27 (2013.01)

Citation (search report)

- [Y] GB 2022515 A 19791219 - SUWA SEIKOSHA KK, et al
- [Y] CH 323140 A 19570715 - SIEMENS AG [DE]
- [A] IBM TECHNICAL DISCLOSURE BULLETIN, Band 30, Nr. 2, Juli 1987, Seiten 843-845, Armonk, New York, US; "Knife edge armature pivot in wire matrix print head and retention spring therefor"
- [A] PATENT ABSTRACTS OF JAPAN, Band 8, Nr. 90 (M-292)[1527], 25. April 1984; & JP-A-59 5074 (CANON K.K.) 11-01-1984

Designated contracting state (EPC)
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