

Title (en)
FLAP-ARMATURE ELECTROMAGNET

Publication
EP 0027894 B1 19840509 (DE)

Application
EP 80105724 A 19800924

Priority
DE 2943440 A 19791026

Abstract (en)
[origin: US4338585A] Hinged armature magnet for matrix printer head with a hinged armature (24), which near its one end is fixed one end of the magnet yoke (12) by means of a mounting part (48) so as to be able to swing out against spring force, wherein the hinged armature (24) and the mounting part (48) rest in common against a substantially cylindrical pin (80) which with its cylindrical axis is arranged substantially parallel to the pivoting axis of the hinged armature (24) near the corner edge of the magnet yoke (12). The pin (80) with a recess (84) can be supported in a cutout (82) in the magnet yoke (12). By the rolling motion of the hinged armature (24) on the cylindrical surface of the pin (80) during the starting motion of the hinged armature, the lever arm enlarges between the momentary position of the pivoting axis of the hinged armature and the supporting tongue (76) of the mounting part (48) transmitting the spring force, in which way a progressive spring action occurs.

IPC 1-7
B41J 7/84; **H01F 7/14**

IPC 8 full level
B41J 2/275 (2006.01); **H01F 7/13** (2006.01); **H01F 7/14** (2006.01); **H01H 50/26** (2006.01)

CPC (source: EP US)
B41J 2/275 (2013.01 - EP US); **H01F 7/13** (2013.01 - EP US); **H01F 7/14** (2013.01 - EP US); **H01H 50/26** (2013.01 - EP US)

Cited by
EP0166266A3; EP0188672A1; EP0251034A1; US4818965A; FR2510810A1

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