

Title (en)

STRUCTURE IN THE FORM OF A SYMMETRICAL MAGNETIC RETAINING SYSTEM FOR RELEASE DEVICES WITH A MOVABLE ELEMENT,
E.G. A PRINT HAMMER

Publication

EP 0008660 B1 19830511 (DE)

Application

EP 79102636 A 19790725

Priority

DE 2837550 A 19780829

Abstract (en)

[origin: US4290356A] A moving element is held without contacts in a relatively stable holding position, out of which it is released by the application of an external force. The relatively stable holding position is obtained by superimposing a potential field of magnet edges by a further potential field based on a mechanical bias of the moving element or a magnet in such a manner that the curve of the total potential has a trough corresponding to the holding position. By applying an external force, the moving element is moved to a peak position of the total potential curve, whence it is subject to accelerating forces. Preferably rare earth magnets are used to form the potential field of magnet edges. In a print hammer actuator the moving element includes a moving coil.

IPC 1-7

H01F 7/04; **B41J 9/38**; **G06K 15/02**

IPC 8 full level

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CPC (source: EP US)

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