Title (en)

MAGNET SYSTEM FOR RAPID DISCONNECTION

Publication

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Application

EP 89112814 A 19890713

Priority

- DE 3838444 A 19881112
- SG 49394 A 19940412

Abstract (en)

[origin: EP0369111A1] Magnet systems for rapid disconnection react very sensitively to changes in the magnetic circuit, particularly to changes in the air gap values between pole piece and hinged armature. The object, therefore, of improving the armature mounting of such a magnet system remains a matter of priority. The invention discloses a magnet system for rapid disconnection, in which the armature mounting consists of a U-shaped leaf spring 5 and a box-shaped armature bearing 7 which can be plugged onto a leg of the pole piece 1 of the magnet system, and the leg ends 6 of the leaf spring 5 are connected to the armature bearing 7 in such a way that the securing points 11 of the leaf spring 5 to the armature bearing 7 and the point of tipping of the hinged armature 4 against a bearing edge 9 of the armature bearing 7 lies directly on the abovementioned leg of the pole piece 1. A magnet system for rapid disconnection of this type can be employed in all circuits in which a rapid disconnection is required. These are above all devices, such as multimeters, which must be protected from overcurrents and overvoltages. These also include automatic circuit breakers which are intended to protect the devices connected after them from overcurrents and overvoltages. <IMAGE>

IPC 1-7

H01H 50/28; H01H 71/24

IPC 8 full level

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EP 0369111 A1 19900523; **EP 0369111 B1 19930127**; AR 241972 A1 19930129; BR 8905198 A 19900515; CN 1020021 C 19930303; CN 1042800 A 19900606; DE 3838444 A1 19900517; DE 3838444 C2 19910418; DE 58903402 D1 19930311; DE 8913372 U1 19900111; ES 2037342 T3 19930616; GR 3007176 T3 19930730; HK 67894 A 19940722; SG 49394 G 19950317

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