

Title (en)
Trip device with holding magnet.

Title (de)
Haltemagnetauslöser.

Title (fr)
Déclencheur à aimant de maintien.

Publication
EP 0118413 A1 19840912 (DE)

Application
EP 84890014 A 19840118

Priority
AT 18183 A 19830120

Abstract (en)
1. Holding magnet tripping device for earth-leakage circuit breakers in which the yoke body (1), permanent magnet (3), tripping armature (4), excitation coil (2) and tripping spring (6) are provided in a hermetically sealed, in particular evacuated housing (10) filled with a protective gas such as nitrogen or a liquid such as silicon oil and in which the conductors for the excitation coil (2) are sealingly guided into the interior of the housing (10) characterised in that the tripping armature (4) is coupled by at least one permanent magnetic coupling with an outer lever arranged externally of the housing (10) for carrying out movements in the same direction and that one half (8b, 8c) of the permanent magnetic coupling arranged in the interior of the housing (10) is provided on a lever pivotally mounted in the interior of the housing (10), which lever is either an armature lever (5) carrying the tripping armature (4) or an internal lever (9) coupled to the tripping armature (4).

Abstract (de)
Bei einem Haltemagnetauslöser mit in einem hermetisch dichten Gehäuse angeordneten Jochkörper (1), Permanentmagnet (3), Auslöseanker (4), Erregerwicklung (2) und Auslösefeder (6) ist der Auslöseanker (4) über mindestens eine Magnetkupplung mit einem außerhalb des Gehäuses (10) angeordneten Außenhebel gekuppelt, wobei eine Hälfte (8b, 8c) der Permanentmagnetkupplung (8) innerhalb des Gehäuses (10) und die andere Hälfte (8a, 8d) der Permanentmagnetkupplung außerhalb des Gehäuses (10) angeordnet ist.

IPC 1-7
H01H 71/32; **H01H 3/56**

IPC 8 full level
H01H 3/56 (2006.01); **H01H 71/32** (2006.01)

CPC (source: EP)
H01H 3/56 (2013.01); **H01H 71/326** (2013.01)

Citation (search report)
• [YD] EP 0026804 A1 19810415 - FELTEN & GUILLEAUME ENERGIE [DE]
• [Y] GB 1598409 A 19810923 - LEE WEN FONG

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DE4405868A1; DE19629152A1; DE19628977A1; DE19628977B4; AT412685B

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EP 0118413 A1 19840912; **EP 0118413 B1 19860730**; AT 378443 B 19850812; AT A18183 A 19841215; AU 2362684 A 19840726; AU 566689 B2 19871029; DE 3460357 D1 19860904; ES 529439 A0 19850101; ES 8502571 A1 19850101

DOCDB simple family (application)
EP 84890014 A 19840118; AT 18183 A 19830120; AU 2362684 A 19840119; DE 3460357 T 19840118; ES 529439 A 19840119