

Title (en)

Magnetic release device for an electrical switching device.

Title (de)

Magnetischer Auslöser für ein elektrisches Schaltgerät.

Title (fr)

Déclencheur magnétique pour appareil de commutation électrique.

Publication

EP 0621618 A3 19950125 (DE)

Application

EP 94105848 A 19940415

Priority

DE 4312950 A 19930421

Abstract (en)

[origin: EP0621618A2] An electromagnetic release device (10) for an electrical switching device, especially for a line protective circuit breaker or a motor protective circuit breaker has a magnet coil (15) which surrounds a magnet armature (18) and a magnet core (14). The magnet core is fastened on a web (12) of a magnet yoke (11) to whose outside a stationary contact piece (13) is also fitted. The magnet coil (15) is formed by a copper foil whose inner turn (16) is mechanically firmly and electrically conductively connected to the magnet core (14). The turns which are adjacent to the inner turn (16) are electrically insulated from one another, and a conductor (21) is connected to the outer turn (20). If the copper foil is a bare copper foil having an insulating coating on one side, then the bare side of each turn points towards the magnet core (14) or magnet armature (18). The magnet core and the magnet armature (14, 18; 31, 30) can have a circular or rectangular cross-section. <IMAGE>

IPC 1-7

H01H 71/24; **H01F 5/00**

IPC 8 full level

H01F 5/00 (2006.01); **H01F 7/16** (2006.01); **H01H 71/24** (2006.01)

CPC (source: EP)

H01F 5/00 (2013.01); **H01F 7/1607** (2013.01); **H01H 71/2481** (2013.01); **H01H 71/2454** (2013.01); **H01H 71/2463** (2013.01)

Citation (search report)

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- [A] DE 2930008 A1 19810205 - ROEDERSTEIN KONDENSATOREN
- [A] US 3543206 A 19701124 - KING HARRY L
- [Y] PATENT ABSTRACTS OF JAPAN vol. 8, no. 70 (E - 235)<1507> 3 April 1984 (1984-04-03)
- [Y] PATENT ABSTRACTS OF JAPAN vol. 11, no. 17 (E - 471)<2464> 17 January 1987 (1987-01-17)

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