

Title (en)
MAGNETIC RELEASE FOR A SELECTIVE OPERATING CIRCUIT BREAKER

Publication
EP 0272457 B1 19920115 (DE)

Application
EP 87117118 A 19871120

Priority
CH 520386 A 19861223

Abstract (en)
[origin: US4808952A] There are arranged at a magnetic trigger for a selectively operative switch, a plunger-type armature, a pivotable armature and a tripping device. A plunger of the plunger-type armature acts directly upon a movable contact of a pair of contacts and the plunger-type armature is actuated using a magnetic coil or winding when the current flowing through the magnetic coil at least corresponds to a predetermined threshold current for opening the contacts. A pivotable armature is actuated by the plunger-type armature and redirects the magnetic return flux. The tripping device acts upon a switch lock mechanism and is switched into or out of the magnetic return flux by the plunger-type armature. The degree of overlap between pole shoes of the pivotable armature and of the tripping device is preselectable by an adjusting screw. There is thus realized a current-dependent, selective tripping of the switch lock mechanism.

IPC 1-7
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IPC 8 full level
H01H 71/10 (2006.01); **H01H 71/34** (2006.01); **H01H 71/24** (2006.01); **H01H 71/74** (2006.01)

CPC (source: EP US)
H01H 71/1081 (2013.01 - EP US); **H01H 71/34** (2013.01 - EP US); **H01H 71/2409** (2013.01 - EP US); **H01H 71/2454** (2013.01 - EP US); **H01H 71/2463** (2013.01 - EP US); **H01H 71/7463** (2013.01 - EP US)

Cited by
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Designated contracting state (EPC)
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