

Title (en)

POWER TRANSMISSION IN AN ELECTROMAGNETIC TRIP DEVICE OF A FITTED CIRCUIT BREAKER

Publication

EP 0333650 B1 19930526 (DE)

Application

EP 89810164 A 19890302

Priority

CH 97688 A 19880315

Abstract (en)

[origin: EP0333650A1] A fitted circuit breaker which switches off in the event of excess current, comprises a trip device, which acts on a switching mechanism, having a yoke (12), a core (14), a coil (18), a coil former (16), a moveable armature (28) and an armature spring (22) which returns the armature in the event of interruption of the heavy excess current. The movement of the armature (28) is transmitted via a first spring limb (26) of the armature spring (22), which is designed as a helical spring and is supported in a rotationally fixed manner on the other end by means of a second spring limb (36), directly onto a trip slide for operating the switching mechanism. The first spring limb (26), connected to the armature (28), has means for the direct transmission of the armature movement, at least in the direction of the core (14) of the electromagnetic trip device. The trip slide operating the switching mechanism has means for absorbing the movement transmitted by the first spring limb (26). <IMAGE>

IPC 1-7

H01H 71/24

IPC 8 full level

H01H 71/24 (2006.01); **H01H 71/74** (2006.01)

CPC (source: EP)

H01H 71/2463 (2013.01); **H01H 71/74** (2013.01)

Cited by

EP1096529A1; EP1096528A1; DE102011080680A1; CN102610453A; EP1130613A1; WO0133596A1; WO0159798A1

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