Title (en)

EXCESS CURRENT CIRCUIT BREAKER

Publication

EP 0263331 B1 19911023 (DE)

Application

EP 87113455 A 19870915

Priority

DE 8626325 U 19861002

Abstract (en)

[origin: US4814738A] An overload protection switch having a push button for manually initiating actuation of the overload protection switch and a movable contact member forming a switching path and having at least one fixed contact. There is a lockable trip mechanism actuated by the push button for controlling the movable contact member during actuation of the overload protection switch and a bimetal element which includes a locking lever pivotal into a locking position and pivotal into its unlocking position. A trip slide is articulated to the movable contact member and is charged in a turn-off direction. The trip slide is additionally supported in its path of movement by a housing groove at a counterslope fixed to the housing. An essentially wedge-shaped inner angle is formed to reduce friction forces at the locking lever and produce a lower tripping force at the bimetal element.

IPC 1-7

H01H 71/58

IPC 8 full level

H01H 73/22 (2006.01); **H01H 71/58** (2006.01); **H01H 73/30** (2006.01); H01H 71/50 (2006.01)

CPC (source: EP US)

H01H 73/306 (2013.01 - EP US); H01H 71/505 (2013.01 - EP US); H01H 2071/508 (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

US 4814738 A 19890321; AT E68909 T1 19911115; DE 3774064 D1 19911128; DE 8626325 U1 19870102; EP 0263331 A1 19880413; EP 0263331 B1 19911023; JP H056784 B2 19930127; JP S6391923 A 19880422

DOCDB simple family (application)

US 10371087 A 19871002; AT 87113455 T 19870915; DE 3774064 T 19870915; DE 8626325 U 19861002; EP 87113455 A 19870915; JP 24824187 A 19871002