

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
DE4424332A1; DE4424332B4

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

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