

Title (en)  
CIRCUIT BREAKER USING THERMAL TRIPPING

Publication  
**EP 0243647 B1 19900912 (DE)**

Application  
**EP 87103951 A 19870318**

Priority  
CH 135286 A 19860407

Abstract (en)  
[origin: US4745389A] A protection switch, or a circuit breaker, includes a bimetallic element provided with a heating winding to form a portion of a structural unit insertable into an upper housing part, said structural unit further including a carrier connected to the bimetallic unit and having a connecting terminal extending from the carrier. The structural unit also including a terminal element connected to the heating winding and having an arc runner continuation, as well as carrying a contact piece of the switch contact. Continuations are provided for positioning the structural unit in a housing, the continuations engaging into guide grooves rigidly provided in the housing. The terminal element, in the region of the contact piece, is pressed against the housing stop and the carrier includes a fork-like free end embracing a catch rib of the housing. The bimetallic element is correctly positioned upon insertion of the structural unit into the housing so that readjustment is not necessary.

IPC 1-7  
**H01H 71/02; H01H 71/16**

IPC 8 full level  
**H01H 61/00** (2006.01); **H01H 61/01** (2006.01); **H01H 61/02** (2006.01); **H01H 71/02** (2006.01); **H01H 71/16** (2006.01)

CPC (source: EP US)  
**H01H 71/0207** (2013.01 - EP US); **H01H 71/16** (2013.01 - EP US); **H01H 71/0214** (2013.01 - EP US); **H01H 2071/084** (2013.01 - EP US)

Cited by  
EP0828276A3; EP0354275A1; FR2669144A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0243647 A1 19871104; EP 0243647 B1 19900912**; DE 3764853 D1 19901018; FI 84673 B 19910913; FI 84673 C 19911227; FI 871475 A0 19870403; FI 871475 A 19871008; JP 2539617 B2 19961002; JP S62243221 A 19871023; US 4745389 A 19880517

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