

Title (en)

Electromagnetic relay for high commutation charges.

Title (de)

Elektromagnetisches Relais für hohe Schaltleistungen.

Title (fr)

Relais électromagnétique pour fortes charges de commutation.

Publication

**EP 0016980 A1 19801015 (DE)**

Application

**EP 80101070 A 19800303**

Priority

DE 2912800 A 19790330

Abstract (en)

[origin: US4302742A] An electromagnetic relay having a high contact rating having an armature and yoke movable by the magnetic coil is provided with an insertable internal member having a vertical wall which divides the interior of the relay into a first portion containing the magnetic coil, armature and yoke, and a second portion containing the contact elements and a slidable member for transmitting movement. The insertable member has a second vertical wall perpendicular to the dividing wall which is provided with a slot for receiving the slidable member to permit movement of the member between the two portions of the relay interior. In order to further increase the insulation between the yoke and a stationary contact member, the stationary contact member is provided with a trapezoidal recess which receives a correspondingly shaped projection of the dividing wall which is interposed between the stationary contact element and the slidable member.

Abstract (de)

Elektromagnetisches Relais mit einem Grundkörper, der das Magnetsystem und das Kontaktsystem trägt und mit einer Trennwand gegeneinander isoliert. Zur Gewinnung großer Kriech- und Luftstrecken zwischen Kontaktfedern und Magnetsystem ist der Grundkörper besonders gestaltet; er besitzt insbesondere eine zusätzliche Abschlußwand mit einer Führung für den U-förmig gestalteten Kontaktschieber.

IPC 1-7

**H01H 50/58**

IPC 8 full level

**H01H 50/64** (2006.01); **H01H 50/02** (2006.01); **H01H 50/58** (2006.01)

CPC (source: EP US)

**H01H 50/026** (2013.01 - EP US); **H01H 50/58** (2013.01 - EP US); **H01H 50/642** (2013.01 - EP US); **H01H 2050/028** (2013.01 - EP US)

Citation (search report)

- DE 2532527 A1 19770210 - KUNDISCH HEINRICH
- DE 2556753 A1 19770707 - DUERR ERNST

Cited by

EP0186160A3; EP0476182A3; EP0463884A3; EP0204199A3; EP0487786A3; FR2618600A1; DE19727991C1; EP4141900A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0016980 A1 19801015**; **EP 0016980 B1 19820630**; AT E1307 T1 19820715; DE 2912800 A1 19801009; DE 2912800 C2 19850425; JP S55131933 A 19801014; US 4302742 A 19811124

DOCDB simple family (application)

**EP 80101070 A 19800303**; AT 80101070 T 19800303; DE 2912800 A 19790330; JP 4191880 A 19800331; US 12142480 A 19800214