

Title (en)
Bimetal-controlled protection circuit breaker

Title (de)
Bimetallgesteuerter Schutzscharter

Title (fr)
Disjoncteur de protection commandé par bimétal

Publication
EP 0563775 B1 19960207 (DE)

Application
EP 93104853 A 19930324

Priority
• DE 9204342 U 19920331
• DE 9207762 U 19920609

Abstract (en)
[origin: EP0563775A1] A bimetallic-control protection circuit breaker contains a busbar (2) which is electrically connected in series with the bimetallic device (1). The busbar (2) runs parallel to the bimetallic device (1) in its deflection plane and is rigid in comparison with said bimetallic device (1). The bimetallic deflection is supported by the effect of electrodynamic force. In order that the protection circuit breaker is suitable for relatively high current intensities and the effect of the electrodynamic force can be utilised better, the bimetallic device (1) is electrically connected in parallel with a shunt path.

IPC 1-7
H01H 71/16; **H01H 71/43**

IPC 8 full level
H01H 71/16 (2006.01); **H01H 71/43** (2006.01); **H01H 71/46** (2006.01); **H01H 71/68** (2006.01); **H01H 47/22** (2006.01); **H01H 50/10** (2006.01); **H01H 51/22** (2006.01); **H01H 71/04** (2006.01)

CPC (source: EP US)
H01H 71/16 (2013.01 - EP US); **H01H 71/43** (2013.01 - EP US); **H01H 71/46** (2013.01 - EP US); **H01H 71/68** (2013.01 - EP US); **H01H 47/226** (2013.01 - EP US); **H01H 50/10** (2013.01 - EP US); **H01H 51/2209** (2013.01 - EP US); **H01H 71/04** (2013.01 - EP US); **H01H 2071/048** (2013.01 - EP US); **H01H 2071/167** (2013.01 - EP US); **H01H 2071/467** (2013.01 - EP US)

Cited by
EP0809270A3; CN100419933C; DE102012200728A1; CZ306743B6; US9058951B2

Designated contracting state (EPC)
BE DE DK ES FR GB GR IE IT LU NL PT

DOCDB simple family (publication)
EP 0563775 A1 19931006; **EP 0563775 B1 19960207**; DE 59301570 D1 19960321; US 5432491 A 19950711

DOCDB simple family (application)
EP 93104853 A 19930324; DE 59301570 T 19930324; US 3359193 A 19930319