

Title (en)
Automatic cut-out

Title (de)
Leitungsschutzschalter

Title (fr)
Disjoncteur de ligne

Publication
EP 0621619 B1 19961211 (DE)

Application
EP 94104696 A 19940324

Priority
DE 4313207 A 19930422

Abstract (en)
[origin: EP0621619A1] A line protection circuit breaker is provided with a high-power arc splitter stack (23) and a latching mechanism (19) which can be unlatched electromagnetically and thermoelectrically by means of a bimetallic snap-action disc (52) in the event of an overload in order to open a contact device (21). The bimetallic snap-action disc (52) is held in a supporting body (32) which conducts heat well and at the same time accommodates an electromagnetic field coil (33) having a plunger (42). The plunger (42) can be released electromagnetically and/or by the bimetallic snap-action disc (52) in order to release in the event of an overload, the moving contact (21) remaining open as a result of the latching mechanism (19) unlatching. The latching mechanism (19) can be unlatched, when the plunger (42) is released, via a first arm of a two-armed lever (37) which is mounted on the supporting body (42) such that it can rotate and consists of plexiglass, it being possible for the second arm (41) of the lever (37) to strike the contact device (21), and a baffle (43) for the drive of a plasma column or arc column, which is produced when the contact device (21) is struck, being formed on the second arm, in the direction of the arc splitter stack (23). <IMAGE>

IPC 1-7
H01H 73/50

IPC 8 full level
H01H 9/30 (2006.01); **H01H 71/40** (2006.01); **H01H 71/52** (2006.01); **H01H 73/50** (2006.01)

CPC (source: EP US)
H01H 9/302 (2013.01 - EP US); **H01H 71/40** (2013.01 - EP US); **H01H 71/526** (2013.01 - EP US); **H01H 2071/407** (2013.01 - EP US)

Cited by
CN104143487A; CN107393772A; CN104134586A; DE19914479A1; RU2766439C2; WO2017148640A1

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