

Title (en)
Automatic cut-out switch.

Title (de)
Leitungsschutzschalter.

Title (fr)
Interrupteur de protection de ligne.

Publication
EP 0412953 B1 19940831 (DE)

Application
EP 90890212 A 19900716

Priority
AT 190589 A 19890808

Abstract (en)
[origin: EP0412953A2] In an automatic cut-out, the switch link (5), the latch (6) and the latch abutment (7) are combined to form an assembly which can be pivoted about a bearing journal (4) provided in the housing (1). The latch (6) is stressed by a spring (8) and can be pivoted with respect to the latch abutment (7) which, for its part, is supported such that it can pivot on the switch link (5). This assembly is coupled by a thrust guide (25), which engages in a mouth (9) between the latch (6) and the latch abutment (7), to an operating head (20). As a result of pivoting the latch (6) under the influence of the plunger (54) of the magnetic trip device (51) or of the tension lever (67) under the influence of the bimetallic strip (41), the mouth (9) is opened such that the end (26), which is held in it, of the thrust guide (25) is released. In consequence, the switch link (5) can be pivoted by the tension spring (16) into the off position. The bimetallic strip (41) is mounted on a support (42) which is fixed in the housing (1) via conical journals (45) which engage in holes (44) in the support (42). In the off position, the switch link (5) rests on the support (42) for the bimetallic strip (41). <IMAGE>

IPC 1-7
H01H 71/52

IPC 8 full level
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CPC (source: EP)
H01H 71/526 (2013.01); **H01H 71/04** (2013.01); **H01H 71/1027** (2013.01); **H01H 71/2409** (2013.01); **H01H 71/2454** (2013.01); **H01H 71/2463** (2013.01); **H01H 2300/046** (2013.01)

Cited by
US7135953B2; EP0577586A1; EP0570647A1; DE10126851C1; EP0897186A3; EP1146534A1; CZ300092B6; EP0564380A1; FR2689309A1; EP0506503A1; FR2674679A1; TR27123A; CN108172479A; US6816055B2; EP1884975B1; WO03012812A1; WO9630924A1

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