

Title (en)
PROTECTIVE LINE SWITCH

Publication
EP 0041049 A3 19820714 (DE)

Application
EP 81810193 A 19810520

Priority
CH 414680 A 19800528

Abstract (en)
[origin: EP0041049A2] 1. A line circuit breaker for high breaking capacities, comprising a casing (1) of narrow construction, a contact system (6) in the form of a double-break system and having two movably disposed contact levers (11; 11') interconnected by toggle spring means (21; 56) and having contact members (12) at the ends remote from one another, stationary contact members (13) being associated therewith, and comprising a magnetic trip system (7), the magnet armature (30) of which acts on two adjacent ends of the contact levers (11; 11'), and comprising a thermal trip system, a manual actuating element and a latch operatively connected to the magnetic trip system (7), the thermal trip system and the manual actuating element, characterised in that the casing (1) consists of two halves (2, 5) having a common bottom wall (4) and each adapted to be closed by a cover (3), one half (2) containing the contact system (6) in its area adjacent the front of the circuit breaker, the magnetic trip system (7) centrally beneath the contact system (6), and a switching and arc chamber (8, 9) in each case on either side of the magnetic trip system (7), while the latch, an overcurrent trip system and the manual actuating element are disposed in the other half (5), and a coupling member (40; 59) passing through the common bottom wall (4) of the two halves (2, 5) mechanically connects the contact levers (11; 11') of the contact system (6) to the latch.

IPC 1-7
H01H 71/02; H01H 73/04; H01H 73/06

IPC 8 full level
H01H 71/02 (2006.01); **H01H 73/04** (2006.01); **H01H 73/06** (2006.01); H01H 77/06 (2006.01)

CPC (source: EP)
H01H 71/0207 (2013.01); H01H 77/06 (2013.01); **H01H 2001/2091** (2013.01)

Citation (search report)
• [A] FR 2373143 A1 19780630 - TELEMECANIQUE ELECTRIQUE [FR]
• [A] DE 1538331 B2 19710916
• [A] DE 2443771 B2 19771222
• [AD] DE 2338637 A1 19750220 - BBC BROWN BOVERI & CIE

Cited by
CN100377272C; DE3824546A1; EP0538155A1; FR2682532A1

Designated contracting state (EPC)
AT CH DE FR GB IT NL SE

DOCDB simple family (publication)
EP 0041049 A2 19811202; **EP 0041049 A3 19820714**; **EP 0041049 B1 19840801**; AT E8827 T1 19840815; DE 3165210 D1 19840906

DOCDB simple family (application)
EP 81810193 A 19810520; AT 81810193 T 19810520; DE 3165210 T 19810520