

Title (en)
Single-pole, neutral differential circuit breaker.

Title (de)
Einpol- und Nulleiter-Differentialschutzschalter.

Title (fr)
Disjoncteur différentiel unipolaire et neutre.

Publication
EP 0456585 B1 19950215 (FR)

Application
EP 91420140 A 19910429

Priority
FR 9006551 A 19900510

Abstract (en)
[origin: EP0456585A1] A single-pole, neutral differential circuit-breaker (10) with one-piece insulating case (12) includes a first circuit-breaker compartment (16) and a second compartment (18) with differential protection, and which is situated to the right of and separated from the phase circuit (20) by a separation wall (14). The primary phase winding (64) of the differential transformer (54) is branched to the contact area of the phase terminal (26) by a first connecting conductor (70), and to the aft end of the coil (40) of the electromagnetic trip by a second conductor (68). The two conductors (68, 70) pass through the wall (14) via orifices (76, 78) made in a gap between the terminal (26) and the exhaust zone of the arc-extinction chamber (44). <IMAGE>

IPC 1-7
H01H 71/00; **H01H 83/22**

IPC 8 full level
H01H 71/00 (2006.01); **H01H 83/22** (2006.01)

CPC (source: EP)
H01H 71/002 (2013.01); **H01H 83/226** (2013.01); **H01H 2089/005** (2013.01)

Cited by
FR2715767A1; GB2295276A; GB2295276B; CN1047021C; EP0557214A1; FR2687838A1; CN101989518A; CN102543611A; CN115424902A; EP3470856A1; FR3072179A1; US11204395B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0456585 A1 19911113; **EP 0456585 B1 19950215**; AT E118648 T1 19950315; DE 69107332 D1 19950323; DE 69107332 T2 19950907; ES 2071268 T3 19950616; FR 2662017 A1 19911115; FR 2662017 B1 19960726

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