

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)  
AT BE CH DE ES GB IT LI SE

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