

Title (en)
Single-pole and neutral differential circuit breaker with test circuit

Title (de)
Einpol- und Nulleiterdifferentialschutzschalter mit Prüfkreis

Title (fr)
Disjoncteur différentiel unipolaire et neutre et à circuit test

Publication
EP 0557214 B1 19960612 (FR)

Application
EP 93420066 A 19930211

Priority
FR 9202137 A 19920221

Abstract (en)
[origin: EP0557214A1] A single-pole and neutral differential circuit breaker (10) includes a differential transformer (54) with toroidal core (61) arranged between a first pair of conductors (68, 70) for linking the primary phase winding (64), and a second pair of conductors (72, 74) for linking the primary neutral winding (66). Insertion of the primary phase winding takes place upstream of the phase circuit (20), whilst that of the primary neutral winding is effected downstream of the neutral circuit (22). The two ends of the test circuit (92) are connected up simultaneously downstream of the phase contacts (34, 38) and neutral contacts (46, 48). <IMAGE>

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

IPC 8 full level
H01H 71/00 (2006.01); **H01H 83/22** (2006.01); **H01H 83/04** (2006.01)

CPC (source: EP)
H01H 71/002 (2013.01); **H01H 83/226** (2013.01); **H01H 83/04** (2013.01); **H01H 2083/045** (2013.01)

Cited by
EP3309813A1; FR3057389A1; EP0685867A1; FR2720548A1; FR2715767A1; EP2048685A3; EP2685484A4; WO0036623A1; WO2006008273A1; EP1562212B1

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EP 0557214 A1 19930825; **EP 0557214 B1 19960612**; CN 1031674 C 19960424; CN 1075820 A 19930901; DE 69303056 D1 19960718; DE 69303056 T2 19961219; ES 2090927 T3 19961016; FR 2687838 A1 19930827; FR 2687838 B1 19940408; RU 2077085 C1 19970410

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