

Title (en)

Circuit breaker with short circuit and overload trip indicator and according method

Title (de)

Schutzschalter mit Kurzschluss- und Überlastauslöseanzeige sowie entsprechendes Verfahren

Title (fr)

Disjoncteur avec indication des fonctions de déclenchement courant de surcharge ou court-circuit et procédé correspondant

Publication

**EP 1628317 A2 20060222 (DE)**

Application

**EP 05107358 A 20050810**

Priority

DE 102004040288 A 20040819

Abstract (en)

Circuit breaker contains interruptable contact mechanism (3) for current flow; and short circuit cut-out (2) for interrupting contact mechanism at short circuit and/or overload cut-out occurrence. To cut-outs is coupled display (6) for clear indication of cut-out reason. Preferably display is of mechanical type coupled to each cut-out, and typically contains sprung display element (61), held in first position by movable cut-out element (22) of respective cut-out. It is driven to move into second position by position change of cut-out element. Independent claims are included for indication of state of protective circuit breaker.

IPC 8 full level

**H01H 71/04** (2006.01); **H01H 71/40** (2006.01); **H01H 71/62** (2006.01)

CPC (source: EP)

**H01H 71/04** (2013.01); **H01H 71/40** (2013.01); **H01H 71/62** (2013.01); **H01H 2071/042** (2013.01)

Cited by

CN102867706A; EP2390895A1; CN103915297A; EP2701174A1; CN103632899A; CN103119682A; CN103681133A; US8379362B2; WO2017148637A1; WO2009124820A1; EP3048630B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1628317 A2 20060222**; **EP 1628317 A3 20070502**; **EP 1628317 B1 20091230**; AT E453922 T1 20100115; DE 102004040288 A1 20060223; DE 102004040288 B4 20070920; DE 502005008768 D1 20100211

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