

Title (en)
Low voltage circuit breaker

Title (de)
Niederspannungsschutzschalter

Title (fr)
Disjoncteur basse tension

Publication
EP 2178101 A1 20100421 (EN)

Application
EP 09171999 A 20091001

Priority
IT MI20080335 U 20081015

Abstract (en)
There is described a low voltage circuit breaker (1) for opening and closing electrical contacts, provided with a thermal safety system (3) of the bimetal type with a release lever (5) capable of operating opening means (2) suitable to force opening of the electrical contacts and a bimetal (4) with a constrained portion (4a) and a free portion (4b) capable of intercepting the insertion lever (5); calibration means (6) are provided to calibrate the position of the bimetal (4) which comprise a pusher (7) thrusting the bimetal (4) so as to set the position of the bimetal (4); the pusher (7) is movable both by axial intrusion and by peripheral action.

IPC 8 full level
H01H 71/74 (2006.01)

CPC (source: EP)
H01H 71/7436 (2013.01)

Citation (search report)
• [XY] EP 0710973 A1 19960508 - BTICINO SPA [IT]
• [Y] EP 1202317 A1 20020502 - ABL SURSUM BAYERISCHE ELEKTROZ [DE]
• [X] EP 0338868 A1 19891025 - HAGER ELECTRO [FR]

Cited by
EP4138111A1; FR3126059A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2178101 A1 20100421; EP 2178101 B1 20141210; AU 2009222595 A1 20100429; AU 2009222595 B2 20150514;
CN 101728128 A 20100609; CN 101728128 B 20140924; IT MI20080335 U1 20100416; RU 2009138070 A 20110420; RU 2524402 C2 20140727

DOCDB simple family (application)
EP 09171999 A 20091001; AU 2009222595 A 20091005; CN 200910211658 A 20091015; IT MI20080335 U 20081015;
RU 2009138070 A 20091014