

Title (en)
LEAKAGE CIRCUIT BREAKER

Title (de)
LECK-UNTERBRECHERSCHALTER

Title (fr)
DISJONCTEUR DE FUITE À LA TERRE

Publication
EP 2061061 A1 20090520 (EN)

Application
EP 06791265 A 20061016

Priority
• CN 2006002721 W 20061016
• CN 200620044893 U 20060817

Abstract (en)
A leakage circuit breaker comprises a housing (1), a breaker tripping mechanism, a bimetal system. The leakage breaker tripping mechanism is comprised of a breaker tripping mechanism and a leakage tripping mechanism, wherein a lever A (10) of the breaker tripping mechanism and a lever B (23) of the leakage tripping mechanism are connected through a lever joint shaft to form double-decked tripping mechanism; a bimetal system, wherein one end of a bimetal piece (15) thereof is connected with one end of a link (14) to form an L-shape, the other end of the link (14) is connected with a latch A (6) of the breaker tripping mechanism. The tripping mechanism has a simple structure. The latch and the jumper are made of the same material, so they don't tend to deform. A conductive piece (17) of the bimetal piece is connected to the wiring plate (19) by a flexible joint block (18), so the displacement of the conductive piece (17) is hardly occurred.

IPC 8 full level
H01H 71/52 (2006.01); **H01H 71/16** (2006.01); **H01H 73/22** (2006.01)

CPC (source: EP)
H01H 71/40 (2013.01); **H01H 83/02** (2013.01); **H01H 9/30** (2013.01); **H01H 71/0207** (2013.01); **H01H 71/16** (2013.01); **H01H 71/2463** (2013.01); **H01H 73/50** (2013.01); **H01H 83/226** (2013.01)

Cited by
AU2012373817B2; EP2942799A1; WO2023038556A1

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 RS

DOCDB simple family (publication)
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