

Title (en)
Circuit breaker

Title (de)
Leistungsschalter

Title (fr)
Interrupteur

Publication
EP 2261944 A2 20101215 (EN)

Application
EP 09175002 A 20091104

Priority
JP 2009137079 A 20090608

Abstract (en)
An electromagnetic device for instantaneous trip use in a circuit breaker includes: a coil; an insulation pipe, a fixed core, a movable core moving in the insulation pipe by a magnetic flux generated by the coil to operate a trip device; a spring for biasing the movable core, a yoke whose one end is provided at the outside end of the fixed core, and the other end is provided on the side of the movable core; and a stator having a stator contact, and being a conductive plate jointed to an end of the coil, engaging the fixed core, and fixed to the yoke. The stator forms a current path between the stator contact and the joint section with the coil for current circulation in the direction same as the current flow to the coil.

IPC 8 full level
H01H 71/24 (2006.01)

CPC (source: EP)
H01H 71/2463 (2013.01)

Citation (applicant)
JP H08306295 A 19961122 - MITSUBISHI ELECTRIC CORP

Cited by
CN104319200A; CN103594298A

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 2261944 A2 20101215; EP 2261944 A3 20131023; EP 2261944 B1 20150909; CN 101908447 A 20101208; CN 101908447 B 20130918;
JP 2010282919 A 20101216; JP 5276523 B2 20130828

DOCDB simple family (application)
EP 09175002 A 20091104; CN 201010114919 A 20100211; JP 2009137079 A 20090608