

Title (en)
Electromagnetic actuator and switching device

Title (de)
Elektromagnetischer Auslöser und Schaltgerät

Title (fr)
Déclencheur électromagnétique et commutateur

Publication
EP 2254139 A3 20130821 (DE)

Application
EP 10004474 A 20100428

Priority
DE 102009021771 A 20090518

Abstract (en)
[origin: EP2254139A2] The breaker (1) has a fixed magnetic core and a movable armature, which are located in a cylindrical tubular coil body (2) with a middle shaft (3). Two connection pieces (7, 8) are symmetrically located and mounted on a mirror image of an imaginary mirror (9). A center of the imaginary mirror between two end parts (5, 6) is vertical to a middle shaft of a coil (4). Connection pieces parallel to the middle shaft are far away from a winding of the coil. An end surface (10) of a coil body comprises a third connection piece (11) connected with a magnetic core.

IPC 8 full level
H01H 71/24 (2006.01)

CPC (source: EP)
H01H 71/2463 (2013.01); **H01H 71/2481** (2013.01); **H01H 2071/249** (2013.01)

Citation (search report)

- [X] EP 1463082 A1 20040929 - SIEMENS AG [DE]
- [XI] EP 1134767 A1 20010919 - SCHNEIDER ELECTRIC IND SA [FR]
- [I] DE 6930706 U 19700108 - EBERLE WERKE KG [DE]

Cited by
DE102014215007A1

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 ME RS

DOCDB simple family (publication)
EP 2254139 A2 20101124; **EP 2254139 A3 20130821**; **EP 2254139 B1 20160323**; CN 101894712 A 20101124; CN 201576637 U 20100908; DE 102009021771 A1 20101125

DOCDB simple family (application)
EP 10004474 A 20100428; CN 200920161421 U 20090629; CN 201010177919 A 20100518; DE 102009021771 A 20090518