

Title (en)
SHORT CIRCUIT DETECTION APPARATUS FOR CIRCUIT BREAKER

Title (de)
KURZSCHLUSSDETEKTIONSVORRICHTUNG FÜR EINEN UNTERBRECHERSCHALTER

Title (fr)
APPAREIL DE DÉTECTION DE COURT-CIRCUIT POUR DISJONCTEUR

Publication
EP 2261946 A4 20140528 (EN)

Application
EP 08739880 A 20080404

Priority
JP 2008056774 W 20080404

Abstract (en)
[origin: EP2261946A1] To reduce the number of parts and reduce the price by forming an armature support portion (4a) integrally with a stator (4), and secure a sufficient magnetic attractive force by making the support portion (4a) a cantilever structure so that no magnetic path forms across a fulcrum portion. By providing a support portion on a stator (4), the fluctuation in the size of a gap between an armature (6) and the stator (4) is reduced, and the magnetic property is stabilized,

IPC 8 full level
H01H 73/22 (2006.01); **H01H 71/24** (2006.01); **H01H 71/40** (2006.01)

CPC (source: EP)
H01H 71/2472 (2013.01); **H01H 71/405** (2013.01)

Citation (search report)

- [A] DE 102006005697 A1 20070816 - MOELLER GMBH [DE]
- [A] JP H0319236 U 19910226
- [A] JP H0950754 A 19970218 - KAWAMURA ELECTRIC INC
- [A] WO 0116985 A1 20010308 - EATON CORP [US]
- [A] JP H097490 A 19970110 - MATSUSHITA ELECTRIC WORKS LTD
- [A] JP S5675454 U 19810619
- [A] JP H04280027 A 19921006 - FUJI ELECTRIC CO LTD
- See references of WO 2009122584A1

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 MT NL NO PL PT RO SE SI SK TR

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DOCDB simple family (application)
EP 08739880 A 20080404; CN 200880128337 A 20080404; JP 2008056774 W 20080404; JP 2010505241 A 20080404