

Title (en)

Device for identifying wear in the contacts of electric switching devices

Title (de)

Vorrichtung zur Bestimmung des Kontaktabbrands von elektrischen Schaltgeräten

Title (fr)

Dispositif de détermination de l'usure des contacts d'appareils de commutation électrique

Publication

**EP 2320443 A3 20120829 (FR)**

Application

**EP 10354065 A 20101015**

Priority

FR 0905301 A 20091105

Abstract (en)

[origin: EP2320443A2] The device (50) has a rigid element (30) e.g. rod or piston, whose end part is projected outside a case (52). The rigid element comprises a coupling unit i.e. T-shaped part (40), complementary to a coupling unit (32) i.e. claw, of an electromagnetically actuated electrical switching apparatus (6) such that the rigid element is coupled with a mobile reinforcement (22) of an electromagnetic actuator (20) without clearance. An actuating unit exerts predetermined force on the rigid element. A determination unit (56) determines displacement of the rigid element.

IPC 8 full level

**H01H 1/00** (2006.01); **H01H 50/04** (2006.01); **H01H 50/54** (2006.01)

CPC (source: EP)

**H01H 1/0015** (2013.01); **H01H 50/045** (2013.01); **H01H 50/546** (2013.01); **H01H 2071/044** (2013.01)

Citation (search report)

- [XD] JP H06196074 A 19940715 - HITACHI LTD
- [YD] DE 102007002176 A1 20080717 - SIEMENS AG [DE]
- [YD] WO 2007033913 A1 20070329 - SIEMENS AG [DE], et al
- [AD] EP 0878015 B1 19991020 - SIEMENS AG [DE]

Cited by

CN103954446A

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2320443 A2 20110511**; **EP 2320443 A3 20120829**; **EP 2320443 B1 20160420**; FR 2952222 A1 20110506; FR 2952222 B1 20140103

DOCDB simple family (application)

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