

Title (en)

Switching device and method for inserting or removing a tolerance insert in the magnetic chamber of a switching device

Title (de)

Schaltgerät und Verfahren zum Einfügen bzw. Entfernen einer Toleranzeinlage in eine Magnetkammer eines Schaltgerätes

Title (fr)

Commutateur et procédé d'introduction, respectivement, de suppression d'une couche intermédiaire de tolérance dans une chambre magnétique d'un commutateur

Publication

EP 2048684 B1 20150318 (DE)

Application

EP 07019739 A 20071009

Priority

EP 07019739 A 20071009

Abstract (en)

[origin: EP2048684A1] The switching device has an actuating magnet (4) provided in a magnetic chamber (3). A spring element is fixed in the magnetic chamber by the actuation magnet. A moving switching contact and a stationary switching contact are provided, where the moving switching contact is moved by the actuation magnet. The magnetic chamber has an assembly opening (1) for inserting or removing a tolerance insert (2). The assembly opening is provided at a side wall (11) of the magnetic chamber. An independent claim is included for a method for inserting or removing a tolerance insert in a magnetic chamber of a switching device.

IPC 8 full level

H01H 49/00 (2006.01); **H01H 50/34** (2006.01); **H01H 1/34** (2006.01); **H01H 69/01** (2006.01)

CPC (source: EP US)

H01H 49/00 (2013.01 - EP US); **H01H 50/34** (2013.01 - EP US); **H01H 1/34** (2013.01 - EP US); **H01H 69/01** (2013.01 - EP US);
H01H 2069/016 (2013.01 - EP US)

Citation (examination)

EP 0487069 A2 19920527 - OMRON TATEISI ELECTRONICS CO [JP]

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2048684 A1 20090415; EP 2048684 B1 20150318; BR PI0818289 A2 20150414; BR PI0818289 B1 20181226; CN 101821829 A 20100901;
CN 101821829 B 20130703; KR 101412194 B1 20140625; KR 20100067126 A 20100618; US 2010219917 A1 20100902;
US 2012286906 A1 20121115; US 8390409 B2 20130305; US 8400239 B2 20130319; WO 2009047055 A1 20090416

DOCDB simple family (application)

EP 07019739 A 20071009; BR PI0818289 A 20080902; CN 200880111081 A 20080902; EP 2008061567 W 20080902;
KR 20107010254 A 20080902; US 201213561651 A 20120730; US 68190208 A 20080902