

Title (en)

Device for controlling the connection and disconnection of two parts and electrical appliance comprising such a device

Title (de)

Steuervorrichtung zur Kontaktherstellung oder -unterbrechung zwischen zwei Teilen und mit dieser Vorrichtung ausgestattetes elektrisches Gerät

Title (fr)

Dispositif de commande de la mise en contact ou hors contact de deux pièces et appareil électrique comportant un tel dispositif

Publication

EP 1993115 B1 20121212 (FR)

Application

EP 08354019 A 20080313

Priority

FR 0703471 A 20070515

Abstract (en)

[origin: EP1993115A1] The device has returning units for returning effort exerted on an operating shaft (1) by an end of a compression spring (4) during decompressing of the spring on a movable contact (6), such that the movable contact receives two efforts exerted by two ends (4a, 4b) of the spring, where resultant of two forces (F1, F2) corresponding to the two efforts permits assuring locking between the movable contact and a fixed contact (5). The returning units include a driving rod (3) connected in an articulated manner by the end (3a) to the shaft, and by an opposite end (3b) to the movable contact.

IPC 8 full level

H01H 3/30 (2006.01)

CPC (source: EP)

H01H 3/3047 (2013.01); **H01H 1/50** (2013.01); **H01H 5/06** (2013.01)

Cited by

WO2012016618A1; CN113748476A; CN113811970A; US8890640B2; WO2020200951A1; WO2020201000A1

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

DOCDB simple family (publication)

EP 1993115 A1 20081119; EP 1993115 B1 20121212; AU 2008202132 A1 20081204; AU 2008202132 B2 20110609; BR PI0801341 A2 20090331; BR PI0801341 B1 20181030; CN 101308734 A 20081119; CN 101308734 B 20120418; ES 2396742 T3 20130225; FR 2916300 A1 20081121; FR 2916300 B1 20090710; RU 2008119136 A 20091120; RU 2453943 C2 20120620

DOCDB simple family (application)

EP 08354019 A 20080313; AU 2008202132 A 20080514; BR PI0801341 A 20080514; CN 200810099266 A 20080515; ES 08354019 T 20080313; FR 0703471 A 20070515; RU 2008119136 A 20080514