

Title (en)

Quick connection device for electrical appliance

Title (de)

Schnellverbindungs Vorrichtung für ein elektrisches Gerät

Title (fr)

Dispositif de connexion rapide pour un appareil électrique

Publication

EP 2521224 B1 20150610 (FR)

Application

EP 12162375 A 20120330

Priority

FR 1153815 A 20110504

Abstract (en)

[origin: EP2521224A1] The device has a connector (21) directly connected to an elastic or screw type electrical connection terminal (10). The connector comprises a permanent magnet (210) for magnetizing the connector on the terminal, when the connector is placed near the terminal. The permanent magnet is placed inside a sleeve (211). The connector comprises a spring mounted between the permanent magnet and the sleeve. The connector comprises an electrically conductive element directly connected to the permanent magnet.

IPC 8 full level

H01R 13/62 (2006.01); **H01R 11/30** (2006.01); **H01R 13/703** (2006.01); **H01H 1/58** (2006.01); **H01R 4/48** (2006.01)

CPC (source: EP US)

H01R 11/30 (2013.01 - EP US); **H01R 13/7031** (2013.01 - EP US); **H01R 2201/20** (2013.01 - EP US)

Cited by

FR3061612A1; FR3084783A1; WO2019129904A1; TWI645621B

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

DOCDB simple family (publication)

EP 2521224 A1 20121107; **EP 2521224 B1 20150610**; CN 102769227 A 20121107; CN 102769227 B 20160706; ES 2544080 T3 20150827; FR 2974947 A1 20121109; FR 2974947 B1 20140124; JP 2012234811 A 20121129; US 2012282786 A1 20121108; US 8734165 B2 20140527

DOCDB simple family (application)

EP 12162375 A 20120330; CN 201210135974 A 20120504; ES 12162375 T 20120330; FR 1153815 A 20110504; JP 2012098927 A 20120424; US 201213431575 A 20120327