

Title (en)
ELECTRICAL PLUG AND SOCKET ASSEMBLY

Title (de)
ANORDNUNG AUS ELEKTRISCHEM STECKER UND BUCHSE

Title (fr)
ENSEMBLE DE PRISE ELECTRIQUE

Publication
EP 3317926 B1 20210331 (FR)

Application
EP 16748325 A 20160628

Priority
• FR 1556200 A 20150701
• FR 2016051585 W 20160628

Abstract (en)
[origin: WO2017001755A1] The invention relates to an electrical plug and socket assembly comprising: a base (1) including at least two first electrical contacts (120, 121) and a first magnetic portion (13) arranged so as to move by magnetic attraction to move the first two electrical contacts toward the outside of the base (1); a plug (2) comprising two second electrical contacts (220, 221) intended to electrically connect to the first two electrical contacts (120, 121) when same are outside the base (1) and a second magnetic portion (23) to move, by magnetic attraction, the first magnetic portion (13) to drive the first electrical contacts (120, 121) toward the outside of the base; the first magnetic portion (13) or the second magnetic portion (23) comprises at least one permanent magnet (15, 16, 25, 26) such as to form a magnetic circuit when the plug (2) is brought near the base (1).

IPC 8 full level
H01R 13/62 (2006.01)

CPC (source: EP KR US)
H01R 13/44 (2013.01 - US); **H01R 13/6205** (2013.01 - EP KR US); **H01F 7/02** (2013.01 - US)

Cited by
FR3133276A1; FR3132797A1; WO2023165928A1; WO2023151940A1; FR3119492A1; FR3135838A1; WO2023222811A1; FR3120275A1; WO2022184566A1

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)
WO 2017001755 A1 20170105; BR 112017028480 A2 20180828; BR 112017028480 B1 20221018; CN 108028497 A 20180511; CN 108028497 B 20200602; EP 3317926 A1 20180509; EP 3317926 B1 20210331; ES 2876037 T3 20211111; FR 3038460 A1 20170106; FR 3038460 B1 20190913; HK 1250422 A1 20181214; JP 2018519644 A 20180719; JP 6783256 B2 20201111; KR 102584737 B1 20231005; KR 20180022938 A 20180306; US 10348024 B2 20190709; US 2018191097 A1 20180705

DOCDB simple family (application)
FR 2016051585 W 20160628; BR 112017028480 A 20160628; CN 201680042053 A 20160628; EP 16748325 A 20160628; ES 16748325 T 20160628; FR 1556200 A 20150701; HK 18109750 A 20180727; JP 2017568368 A 20160628; KR 20187002911 A 20160628; US 201615740946 A 20160628