

Title (en)
ELECTRICAL POWER-POINT ASSEMBLY WITH ELECTRICAL DISCONNECTION SOLUTION

Title (de)
ELEKTRISCHE STECKDOSENANORDNUNG MIT ELEKTRISCHER TRENNLÖSUNG

Title (fr)
ENSEMBLE DE PRISE ÉLECTRIQUE AVEC SOLUTION DE DÉCONNEXION ÉLECTRIQUE

Publication
EP 3320585 B1 20201014 (FR)

Application
EP 16742372 A 20160704

Priority
• FR 1556579 A 20150710
• FR 2016051691 W 20160704

Abstract (en)
[origin: WO2017009539A1] The invention relates to an electrical power-point assembly including: a socket (1) comprising at least two first electrical contacts (120, 121) and a first magnetic portion (13) arranged to be moved by a magnetic effect, in order to move the two first electrical contacts toward the exterior of the socket (1); a plug (2) comprising two second electrical contacts (220, 221) that are intended to be electrically connected to the two first electrical contacts and a second magnetic portion (23) for moving, via a magnetic effect, the first magnetic portion (13), in order to drive the first electrical contacts toward the exterior of the socket; detecting means comprising a sensor for measuring the magnetic flux flowing between the two magnetic portions and a processing unit (5) that is arranged to generate a control signal (SIG); and disconnecting means (8) arranged to disconnect the power supply circuit on reception of the control signal (SIG).

IPC 8 full level
H01R 13/703 (2006.01); **H01R 13/62** (2006.01)

CPC (source: EP KR US)
H01R 13/6205 (2013.01 - EP KR US); **H01R 13/7037** (2013.01 - EP KR US); **H01R 13/53** (2013.01 - US); **H01R 13/6485** (2013.01 - US); **H01R 24/38** (2013.01 - US)

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)
FR 3038781 A1 20170113; **FR 3038781 B1 20170728**; BR 112018000391 A2 20180918; CN 108140996 A 20180608; CN 108140996 B 20200602; EP 3320585 A1 20180516; EP 3320585 B1 20201014; ES 2839883 T3 20210706; HK 1250845 A1 20190111; JP 2018521477 A 20180802; JP 6785834 B2 20201118; KR 20180050287 A 20180514; US 10122116 B2 20181106; US 2018198232 A1 20180712; WO 2017009539 A1 20170119

DOCDB simple family (application)
FR 1556579 A 20150710; BR 112018000391 A 20160704; CN 201680040180 A 20160704; EP 16742372 A 20160704; ES 16742372 T 20160704; FR 2016051691 W 20160704; HK 18110036 A 20180803; JP 2018500288 A 20160704; KR 20187003695 A 20160704; US 201615741613 A 20160704