

Title (en)  
ELECTRICAL OUTLET ASSEMBLY

Title (de)  
STECKDOSENBAUGRUPPE

Title (fr)  
ENSEMBLE DE PRISES ÉLECTRIQUES

Publication  
**EP 3011642 B1 20191120 (FR)**

Application  
**EP 14725217 A 20140415**

Priority  
• FR 1355922 A 20130621  
• FR 2014050909 W 20140415

Abstract (en)  
[origin: WO2014202849A1] The invention relates to an electrical outlet assembly (1) comprising an electrical plug (10) and an electrical socket (20) including two movable electric contacts (21, 22) capable of moving between an internal position and an external position. Said assembly comprises magnetic control means (13, 23) having a movable magnetic element (23) secured to the movable electric contacts (21, 22) and at least one magnet which generates a first attracting magnetic flux ( $\Phi_{attrac1}$ ) which attracts the movable magnetic element (23) and moves the electric contacts (21, 22) from the internal position to the external position. The assembly comprises a first actuation coil (50) which generates a second attracting magnetic flux ( $\Phi_{attrac2}$ ) that attracts the electric contacts from the internal position to the external position, and a second actuation coil (60) which generates a retracting magnetic flux ( $\Phi_{retrac}$ ) that moves the electric contacts (21, 22) from the external position to the internal position.

IPC 8 full level  
**H01R 13/453** (2006.01); **H01R 11/30** (2006.01); **H01R 13/62** (2006.01); **H01R 13/66** (2006.01); **H01R 13/703** (2006.01); **H01R 24/38** (2011.01)

CPC (source: EP)  
**H01R 13/4538** (2013.01); **H01R 13/6205** (2013.01); **H01R 13/6633** (2013.01); **H01R 13/7037** (2013.01); **H01R 11/30** (2013.01); **H01R 13/6683** (2013.01); **H01R 24/38** (2013.01)

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 3007588 A1 20141226**; **FR 3007588 B1 20150605**; CN 105144494 A 20151209; CN 105144494 B 20180622; EP 3011642 A1 20160427; EP 3011642 B1 20191120; ES 2768615 T3 20200623; WO 2014202849 A1 20141224

DOCDB simple family (application)  
**FR 1355922 A 20130621**; CN 201480023796 A 20140415; EP 14725217 A 20140415; ES 14725217 T 20140415; FR 2014050909 W 20140415