

Title (en)  
ELECTRICAL CONNECTOR ASSEMBLY

Title (de)  
ELEKTRISCHE STECKVERBINDERANORDNUNG

Title (fr)  
ENSEMBLE DE PRISES ÉLECTRIQUES

Publication  
**EP 2628213 A1 20130821 (FR)**

Application  
**EP 11755373 A 20110811**

Priority  
• FR 1003562 A 20100907  
• FR 2011000464 W 20110811

Abstract (en)  
[origin: WO2012032230A1] Electrical connector assembly (1) comprising an electrical plug (10) and an electrical socket (20) designed to mate removably, said electrical plug (10) comprising at least two concentric annular electrical tracks (11, 12) intended to mate with respective electrical contacts (21, 22) of the electrical socket (20). Magnetic drive means (13, 23) generate a first drive force for placing the plug (10) on the socket (20) and for keeping it in position thereon. The socket (20) has at least two moving electrical contacts (21, 22) that can move between a first position inside the socket (20) and a second position outside said socket so as to be in direct electrical contact with the respective electrical tracks (11, 12), said first drive force being capable of moving the electrical contacts (21, 22) between the first and second position.

IPC 8 full level  
**H01R 13/05** (2006.01); **H01R 11/30** (2006.01); **H01R 13/17** (2006.01); **H01R 13/24** (2006.01); **H01R 13/453** (2006.01); **H01R 13/62** (2006.01); **H01R 13/703** (2006.01); **H01R 24/38** (2011.01)

CPC (source: EP US)  
**H01R 13/2421** (2013.01 - EP US); **H01R 13/4538** (2013.01 - EP US); **H01R 13/6205** (2013.01 - EP US)

Citation (search report)  
See references of WO 2012032230A1

Cited by  
CN110911890A; CN103996922A; EP4324742A3; WO2017009539A1; EP3467956A1; WO2017216458A1; US11050187B2; US10752361B2; EP3467956B1; EP3545589B1

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