

Title (en)
ELECTRICAL OUTLET ASSEMBLY

Title (de)
STECKDOSENBAUGRUPPE

Title (fr)
ENSEMBLE DE PRISES ÉLECTRIQUES

Publication
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Application
EP 14725217 A 20140415

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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 (Φ_{retrac}) that moves the electric contacts (21, 22) from the external position to the internal position.

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