

Title (en)  
ELECTRICAL POWER CONNECTOR WITH COVER

Title (de)  
STROMSTECKVERBINDER MIT ABDECKUNG

Title (fr)  
CONNECTEUR DE PUISSANCE ÉLECTRIQUE DOTÉ D'UN COUVERCLE

Publication  
**EP 3503138 A1 20190626 (EN)**

Application  
**EP 17210373 A 20171222**

Priority  
EP 17210373 A 20171222

Abstract (en)  
An inductive power connector comprising first and second connector parts that are removably connectable. Each connector part comprises one or more electrical windings provided around a magnetic core. The first connector part is insertable into the second connector part in an axial direction so that its windings couple with the windings of the second connector part by electromagnetic induction. A movable cover is provided as an anti-fouling measure, and which may serve as a magnetic shunt for completing a magnetic circuit when the first and second connector parts are disconnected.

IPC 8 full level  
**H01F 38/14** (2006.01)

CPC (source: EP)  
**H01F 38/14** (2013.01)

Citation (search report)

- [XYI] US 3995209 A 19761130 - WESTON JOHN ANTHONY DAVID
- [X] JP S54143833 A 19791109 - MATSUSHITA ELECTRIC WORKS LTD
- [Y] GB 2215140 A 19890913 - SHELL INT RESEARCH [NL]

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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