

Title (en)

Industrial socket with live contacts protection device

Title (de)

Industrieller Stecker mit Schutzgerät von Stromkontakten

Title (fr)

Douille industrielle avec appareil de protection de contacts d'alimentation

Publication

EP 2685568 A1 20140115 (EN)

Application

EP 12425112 A 20120614

Priority

EP 12425112 A 20120614

Abstract (en)

A socket for electric vehicles comprises a body (1) suitable to receive a corresponding plug (2) that substantially takes up all the space available inside the body (1), in which there are arranged a plurality of longitudinal cylindrical housings (3) in some of which there are provided metal sleeves (4) acting as live contacts, as well as a pair of covers (5) arranged outside the body (1) and provided with terminal portions (5b) that penetrate the body (1) through corresponding slots (1a) and extend inside the cylindrical housings (3) containing the metal sleeves (4) so as to cover the live contacts, the covers (5) being moved from said working position, to which they are biased by springs (10), to a rest position, in which the terminal portions (5b) are outside the body (1), by a cursor (9) projecting inside the body (1) and suitable to be moved outside the body (1) by the plug (2) upon insertion of the latter into the socket.

IPC 8 full level

H01R 13/453 (2006.01)

CPC (source: EP)

H01R 13/4532 (2013.01); **H01R 13/4534** (2013.01)

Citation (applicant)

EP 1376772 A1 20040102 - LEGRAND SA [FR]

Citation (search report)

- [XY] DE 102009044343 A1 20110505 - AMAD MENNEKES HOLDING GMBH & CO KG [DE]
- [XY] DE 102010048713 A1 20120419 - AMAD MENNEKES HOLDING GMBH & CO KG [DE]
- [A] EP 2075889 A2 20090701 - MERTEN GMBH & CO KG [DE]

Cited by

EP4142058A1; FR3126555A1; WO2022200152A1; EP3868598A1; BE1029233B1; CN117400757A; CN108988002A; EP3595095A1; CN110718803A; EP3945643A1; BE1029233A1; DE102021107290A1

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)

EP 2685568 A1 20140115; EP 2685568 A8 20140528; EP 2685568 B1 20150729; ES 2548186 T3 20151014

DOCDB simple family (application)

EP 12425112 A 20120614; ES 12425112 T 20120614