

Title (en)
ELECTRICAL PLUG CONNECTOR

Title (de)
ELEKTRISCHER STECKVERBINDER

Title (fr)
CONNECTEUR ÉLECTRIQUE ENFICHABLE

Publication
EP 3420612 A1 20190102 (DE)

Application
EP 16706536 A 20160226

Priority
EP 2016000339 W 20160226

Abstract (en)
[origin: WO2017144072A1] The invention relates to an electrical plug connector having a hollow cylindrical housing (10) and having a contact sleeve (12) in the form of a hollow cylinder having a casing wall (14), which contact sleeve is arranged radially inside the housing (10), for producing a mechanical and an electrical contact with a counterpart connector (100), wherein at least one contact spring tongue (16) which can be deflected resiliently and has a free end (20) is arranged on the casing wall (14) of the contact sleeve (12) and is configured in such a way that the free end (20) projects in the radially inward direction beyond the casing wall (14) of the contact sleeve (12) and forms a contact surface (22) for electrical and mechanical contacting of the counterpart connector (100). At least three ribs (24) are formed on an outer periphery of the casing wall (14) of the contact sleeve which project beyond the casing wall (14) in a radially outward direction.

IPC 8 full level
H01R 13/41 (2006.01); **H01R 13/11** (2006.01); **H01R 13/187** (2006.01)

CPC (source: EP KR US)
H01R 4/48 (2013.01 - US); **H01R 13/111** (2013.01 - EP KR US); **H01R 13/187** (2013.01 - EP KR US); **H01R 13/41** (2013.01 - EP KR US); **H01R 24/38** (2013.01 - US)

Citation (search report)
See references of WO 2017144072A1

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)
WO 2017144072 A1 20170831; CN 108701930 A 20181023; EP 3420612 A1 20190102; EP 3420612 B1 20200715; JP 2019506723 A 20190307; JP 7005507 B2 20220121; KR 20180113539 A 20181016; TW 201731170 A 20170901; US 10553977 B2 20200204; US 2019067862 A1 20190228

DOCDB simple family (application)
EP 2016000339 W 20160226; CN 201680082404 A 20160226; EP 16706536 A 20160226; JP 2018544890 A 20160226; KR 20187024162 A 20160226; TW 106103159 A 20170126; US 201616078808 A 20160226