

Title (en)
ELECTRIC PLUG CONNECTOR

Title (de)
ELEKTRISCHER VERBINDUNGSSTECKER

Title (fr)
CONNECTEUR ÉLECTRIQUE

Publication
EP 2359441 A1 20110824 (DE)

Application
EP 09782649 A 20090904

Priority
• EP 2009061503 W 20090904
• DE 102008064535 A 20081219

Abstract (en)
[origin: WO2010069625A1] The invention relates to an electric plug connector having a connection module, which has multiple contact elements to establish an electric connection to corresponding contact elements of a connection socket, and having a terminal module, which has multiple terminal elements for connecting one lead each of a cable, wherein the terminal module can be detachably connected to the connection module for establishing an electric connection between the terminal elements and one contact element each. In order to refine the plug connector such that it can be connected to the cable more easily without special tools, according to the invention the connection module comprises a housing into which the terminal module can be inserted, as well as a tension relief member that is connected to the housing and extends over the terminal module, wherein a cable connected to the terminal module can be secured to the connection module via the tension relief member.

IPC 8 full level
H01R 13/502 (2006.01); **H01R 13/58** (2006.01)

CPC (source: EP US)
H01R 13/502 (2013.01 - EP US); **H01R 13/5829** (2013.01 - EP US)

Citation (search report)
See references of WO 2010069625A1

Cited by
DE102019131596B3; DE102022000275A1; DE102021004953B3; DE102022004461A1; DE102022004461B4; DE102017110546B3; WO2018210717A1; US10840635B2; DE102023002960B3; EP4213314A1; DE102022101013A1; EP4235981A1; DE102022104522A1

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102008064535 A1 20100624; CN 102246360 A 20111116; CN 102246360 B 20140903; EP 2359441 A1 20110824; EP 2359441 B1 20140409; ES 2462041 T3 20140522; HK 1159864 A1 20120803; RU 2011129559 A 20130127; RU 2499337 C2 20131120; US 2011300740 A1 20111208; US 8298922 B2 20121030; WO 2010069625 A1 20100624

DOCDB simple family (application)
DE 102008064535 A 20081219; CN 200980150506 A 20090904; EP 09782649 A 20090904; EP 2009061503 W 20090904; ES 09782649 T 20090904; HK 11114088 A 20111230; RU 2011129559 A 20090904; US 201113151421 A 20110602