

Title (en)
Round plug connector

Title (de)
Rundsteckverbinder

Title (fr)
Connecteur à fiche cylindrique

Publication
EP 2410613 A3 20120314 (DE)

Application
EP 11005612 A 20110708

Priority
DE 202010010418 U 20100719

Abstract (en)
[origin: US2012015539A1] A circular plug-type connector for a multi-core electrical cable, which is provided in each case with male or female contacts, possesses an inner insulating body for holding the individual male or female contacts in its interior. This insulating body is provided with its cable-side end region in a sleeve-shaped holding ring in such a way that it can be plugged in. A top piece can be fastened rotatably on the holding ring. The top piece is formed with a thread for connection to a mating plug-type connector. A sleeve-shaped housing, which can be assembled from at least two housing parts, can be fastened with its one axial end on the cable-side end region of the holding ring. The cable can be inserted into the housing and fastened thereon with resistance to tensile stress at the other axial end of the housing. A coupling unit comprising two circular plug-type connectors, which can be fastened detachably to one another using screws, for a multi-core electrical cable that is provided in each case with male or female contacts is characterized in that one circular plug-type connector has plug-type contacts and the other plug-type connector has female contacts.

IPC 8 full level
H01R 9/03 (2006.01); **H01R 13/502** (2006.01); **H01R 13/622** (2006.01)

CPC (source: EP US)
H01R 9/03 (2013.01 - EP US); **H01R 13/502** (2013.01 - EP US); **H01R 13/622** (2013.01 - EP US); **H01R 13/512** (2013.01 - EP US)

Citation (search report)

- [X] EP 0772259 A2 19970507 - WHITAKER CORP [US]
- [X] US 2005175404 A1 20050811 - CONWAY CHRISTOPHER J [US]
- [AD] DE 102006055534 B3 20080117 - HARTING ELECTRIC GMBH & CO KG [DE]
- [A] US 5797761 A 19980825 - RING RUSSELL K [US]

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)
DE 202010010418 U1 20101014; EP 2410613 A2 20120125; EP 2410613 A3 20120314; EP 2410613 B1 20140514; ES 2490248 T3 20140903; US 2012015539 A1 20120119; US 8550834 B2 20131008

DOCDB simple family (application)
DE 202010010418 U 20100719; EP 11005612 A 20110708; ES 11005612 T 20110708; US 201113184950 A 20110718