

Title (en)

CIRCULAR BUNDLING, WATERPROOF AND FAST-INSERTION TYPE RADIO FREQUENCY CONNECTOR

Title (de)

KREISFÖRMIGER BÜNDELNDER, WASSERDICHTER UND SCHNELL EINSETZBARER HOCHFREQUENZVERBINDER

Title (fr)

CONNECTEUR DE RADIOFRÉQUENCE DE TYPE À GROUPEMENT CIRCULAIRE, IMPERMÉABLE À L'EAU ET À INSERTION RAPIDE

Publication

EP 3471217 A4 20190619 (EN)

Application

EP 17833313 A 20170518

Priority

- CN 201610595396 A 20160727
- CN 2017084925 W 20170518

Abstract (en)

[origin: EP3471217A1] The present invention provides a circular cluster waterproof tool-less radio frequency connector, including a socket (1) and a plug (2), where the socket (1) includes a housing (11), a first ring insulator (13) disposed in the housing (11), a connection point (16) disposed in the first ring insulator (13), and a protective cover (15) disposed on a header of the connection point (16). The plug (2) includes a casing (21) and a single-core connector (3) disposed in the casing (21), and the single-core connector (3) is permanently connected to the casing (21) by using an adjustable nut (29). A quantity of connection points (16) is the same as a quantity of single-core connectors (3), and there are at least two connection points (16) and at least two single-core connectors (3). The radio frequency connector has a small volume, high integration, few connected cables, stable signal quality, and low connection costs, and is easily used.

IPC 8 full level

H01R 13/52 (2006.01); **H01R 13/627** (2006.01); **H01R 24/40** (2011.01); **H01R 24/52** (2011.01); **H01R 13/629** (2006.01); **H01R 13/645** (2006.01); **H01R 107/00** (2006.01)

CPC (source: CN EP)

H01R 13/465 (2013.01 - CN); **H01R 13/512** (2013.01 - CN); **H01R 13/5202** (2013.01 - CN EP); **H01R 13/521** (2013.01 - EP); **H01R 13/6456** (2013.01 - CN); **H01R 24/40** (2013.01 - CN); **H01R 24/52** (2013.01 - EP); **H01R 13/6277** (2013.01 - EP); **H01R 13/629** (2013.01 - EP); **H01R 13/6456** (2013.01 - EP)

Citation (search report)

- [XYI] CN 204696395 U 20151007 - ZHENJIANG LANJIAN ELECTRON CO LTD
- [Y] EP 0915534 A2 19990512 - SIEMENS AG [DE]
- See references of WO 2018019008A1

Cited by

DE102021002352A1

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 3471217 A1 20190417; **EP 3471217 A4 20190619**; **EP 3471217 B1 20201230**; CN 107666057 A 20180206; CN 107666057 B 20200929; WO 2018019008 A1 20180201

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