

Title (en)
RF CONNECTOR WITH ARC SUPPRESSION

Title (de)
HF-ANSCHLUSS MIT LICHTBOGENUNTERDRÜCKUNG

Title (fr)
CONNECTEUR RF AVEC SUPPRESSION D'ARC

Publication
EP 4138226 A1 20230222 (EN)

Application
EP 21191786 A 20210817

Priority
EP 21191786 A 20210817

Abstract (en)
A coaxial connector system includes a main body and a load connector. The main body has a cylindrical bore holding an insulating tube which further holds a cylindrical center conductor. This conductor has at one end a contact area which is recessed for a recess distance within the tube such that an arcing space is formed. The load connector has an inner conductor with a center contact pin which is configured to protrude into the insulating tube and to establish a contact with the center conductor.

IPC 8 full level
H01R 13/53 (2006.01); **H01R 24/40** (2011.01); **H01R 13/24** (2006.01); **H01R 103/00** (2006.01)

CPC (source: EP)
H01R 13/53 (2013.01); **H01R 24/40** (2013.01); **H01R 13/2421** (2013.01); **H01R 2103/00** (2013.01)

Citation (applicant)
EP 3300535 A1 20180404 - SPINNER GMBH ELEKTROTECH [DE]

Citation (search report)

- [XAYI] DE 497612 C 19300513 - AEG
- [A] EP 3474389 A1 20190424 - VESTEL ELEKTRONIK SANAYI VE TICARET AS [TR]
- [A] US 8771012 B2 20140708 - LE TORTOREC CHRISTIAN [FR], et al
- [Y] US 7021964 B1 20060404 - CROAN QUINN F [US]
- [A] CN 207782024 U 20180828 - GUIZHOU SPACE APPLIANCE CO LTD
- [A] DE 10139844 C1 20030417 - FRAUNHOFER GES FORSCHUNG [DE]

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4138226 A1 20230222; CN 115911989 A 20230404; EP 4138227 A1 20230222

DOCDB simple family (application)
EP 21191786 A 20210817; CN 202210986482 A 20220817; EP 22189062 A 20220805