

Title (en)

electrical connector with retaining ring

Title (de)

Elektrischer Verbinder mit einem kegelförmigen Haltering

Title (fr)

Connecteur électrique comportant une bague de retenue

Publication

EP 2503647 A1 20120926 (EN)

Application

EP 11250349 A 20110319

Priority

EP 11250349 A 20110319

Abstract (en)

A connector includes an insulation body having a recess defined in the first end thereof and a protrusion extends from the inner end of the recess to form an annular gap between the inner periphery of the recess and the protrusion. The protrusion has a connection hole defined therethrough and a shoulder is formed in the connection hole. A passage is defined in the second end of the insulation body and communicates with the connection hole. A conductive member is inserted into the connection hole and the passage. Multiple flexible plates extend inclinedly from the outer periphery of the conductive member and are engaged with the shoulder. The body is easily removed from the mold and the conductive member is securely connected to the insulation body.

IPC 8 full level

H01R 13/434 (2006.01); **H01R 101/00** (2006.01)

CPC (source: EP)

H01R 13/434 (2013.01); **H01R 13/432** (2013.01); **H01R 2101/00** (2013.01)

Citation (search report)

- [A] GB 2356743 A 20010530 - CONNECTORS LTD AB [GB]
- [A] WO 2009132200 A2 20091029 - TIMES MICROWAVE SYSTEMS INC [US], et al
- [A] US 3059216 A 19621016 - CUNNINGHAM JAMES D
- [A] EP 0159466 A2 19851030 - GROTE & HARTMANN [DE]
- [A] US 4010993 A 19770308 - HOHENBERGER REINER MATHIAS, et al

Cited by

CN111478083A; US11794648B2

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)

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DOCDB simple family (application)

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