

Title (en)

ELECTRICAL CONNECTOR AND ELECTRONIC DEVICE

Title (de)

ELEKTRISCHER VERBINDER UND ELEKTRONISCHE VORRICHTUNG

Title (fr)

CONNECTEUR ÉLECTRIQUE ET DISPOSITIF ÉLECTRONIQUE

Publication

EP 4195418 A1 20230614 (EN)

Application

EP 21853128 A 20210803

Priority

- CN 202010771538 A 20200804
- CN 2021110247 W 20210803

Abstract (en)

An electrical connector, used for electrically connecting multiple connected members. The electrical connector comprises an insulating housing structure (1) and an electrical contact member (2); the insulating housing structure (1) is provided with multiple openings (121); the electrical contact member (2) comprises a main body provided in the insulating housing structure (1) and multiple contact portions (22) formed on the main body, and the contact portions (22) pass through the openings (121) in a one-to-one correspondence and extend to the outside of the insulating housing structure (1); and the electrical contact member (2) has elasticity, so that the contact portions (22) can be in elastic contact with the corresponding connected members. The electrical connector can not only reduce occupied space and simplify a device structure, but also facilitate assembly and implementation of modularization; quick connection can also be implemented, contact fit tolerance is increased, mounting error is reduced, and mounting efficiency is improved. The present invention further relates to an electronic device.

IPC 8 full level

H01R 12/71 (2011.01); **H01R 13/627** (2006.01)

CPC (source: CN EP KR)

H01R 12/714 (2013.01 - CN KR); **H01R 12/732** (2013.01 - EP); **H01R 13/2428** (2013.01 - CN KR); **H01R 13/2442** (2013.01 - EP); **H01R 13/2457** (2013.01 - CN KR); **H01R 13/2492** (2013.01 - CN KR); **H01R 13/42** (2013.01 - CN KR); **H01R 13/502** (2013.01 - CN KR); **H01R 13/627** (2013.01 - KR); **H01R 12/714** (2013.01 - EP); **H01R 12/721** (2013.01 - EP)

Citation (search report)

See references of WO 2022028400A1

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)

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