

Title (en)
CONNECTOR DEVICE

Title (de)
VERBINDERVORRICHTUNG

Title (fr)
DISPOSITIF DE CONNECTEUR

Publication
EP 3691049 A1 20200805 (EN)

Application
EP 20150425 A 20200107

Priority
JP 2019015533 A 20190131

Abstract (en)
Contact pieces (13, 19, 25) of an inside terminal (12), an intermediate terminal (18) and an outside terminal (24) of a receptacle (11) of a connector device (1) are formed into a pin shape or cylindrical shape, and disposed coaxially. A supporting part (30) for supporting the inside terminal (12), the intermediate terminal (18) and the outside terminal (24) is produced by insert molding so as to enclose coupling parts of these terminals. Contact pieces (44, 50, 56) of an inside terminal (43), an intermediate terminal (49) and an outside terminal (55) of a plug (41) of the connector device (1) are formed into a cylindrical shape, and disposed coaxially. A supporting part (65) for supporting the inside terminal (43), the intermediate terminal (49) and the outside terminal (55) is produced by insert molding so as to enclose coupling parts of these terminals.

IPC 8 full level
H01R 13/642 (2006.01); **H01R 13/405** (2006.01); **H01R 13/6582** (2011.01); **H01R 24/50** (2011.01)

CPC (source: EP)
H01R 13/405 (2013.01); **H01R 13/642** (2013.01); **H01R 13/6582** (2013.01); **H01R 24/50** (2013.01)

Citation (applicant)
JP 3146918 U 20081204

Citation (search report)
• [XAI] JP 2011146304 A 20110728 - HIROSE ELECTRIC CO LTD
• [XA] JP 2009064716 A 20090326 - HIROSE ELECTRIC CO LTD

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 3691049 A1 20200805; **EP 3691049 B1 20211027**; JP 2020123532 A 20200813; JP 7282449 B2 20230529

DOCDB simple family (application)
EP 20150425 A 20200107; JP 2019015533 A 20190131