

Title (en)
CONNECTOR AND CONNECTION DEVICE

Title (de)
VERBINDER UND VERBINDUNGSVORRICHTUNG

Title (fr)
CONNECTEUR ET DISPOSITIF DE CONNEXION

Publication
EP 3813202 A3 20210721 (EN)

Application
EP 20201216 A 20201012

Priority
JP 2019192107 A 20191021

Abstract (en)
A connector (2) includes a fixed housing (4) and a movable block (5) movable with respect to the fixed housing (4). The movable block (5) is configured to allow the mating connector (3) to be fitted to the movable block (5) from above the movable block (5). The movable block (5) includes a movable housing (7) and a contact (8). The movable housing (7) is movable in an upward-downward direction (D1) and a first direction (D2, D3) perpendicular to the upward-downward direction (D2, D3) with respect to the fixed housing (4). The contact (8) includes a first held portion (81) held at the fixed housing (4), a second held portion (82) held at the movable housing (7), and an elastic portion (83) connecting the first held portion (81) to the second held portion (82). The movable housing (7) includes an attachment portion (71) to which the contact (8) is attached and a tilt restrictor (73) that restricts a range in which the movable housing (7) is tilted with respect to the fixed housing (4) along the plane. At least a part of the first tilt restrictor (73) is provided on a lower surface (721) of the end portion (72). The part of the first tilt restrictor (73) is located at a higher position than a lowermost surface (711) of the attachment portion (71).

IPC 8 full level
H01R 12/91 (2011.01); **H01R 12/71** (2011.01); **H01R 12/73** (2011.01); **H01R 13/502** (2006.01); **H01R 24/60** (2011.01)

CPC (source: CN EP)
H01R 12/91 (2013.01 - EP); **H01R 13/02** (2013.01 - CN); **H01R 13/40** (2013.01 - CN); **H01R 13/46** (2013.01 - CN); **H01R 13/502** (2013.01 - CN); **H01R 12/716** (2013.01 - EP); **H01R 12/73** (2013.01 - EP); **H01R 13/502** (2013.01 - EP)

Citation (search report)

- [X] EP 3327870 A1 20180530 - IRISO ELECTRONICS CO LTD [JP]
- [A] EP 3399596 A1 20181107 - KYOCERA CORP [JP]
- [A] JP 2002329556 A 20021115 - SMK KK
- [AD] JP 2017188246 A 20171012 - 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 3813202 A2 20210428; EP 3813202 A3 20210721; CN 112768986 A 20210507; JP 2021068545 A 20210430

DOCDB simple family (application)
EP 20201216 A 20201012; CN 202011108002 A 20201016; JP 2019192107 A 20191021