

Title (en)
CONNECTION STRUCTURE AND CONNECTOR

Title (de)
VERBINDUNGSSTRUKTUR UND VERBINDER

Title (fr)
STRUCTURE DE CONNEXION ET CONNECTEUR

Publication
EP 3553894 B1 20210106 (DE)

Application
EP 18207186 A 20181120

Priority
JP 2018075995 A 20180411

Abstract (en)
[origin: US2019319404A1] With the aim of addressing the problem of maintaining a state in which a plurality of connectors are securely mated, the present disclosure teaches a connecting structure S S that is a structure for connecting a first connector 1 and a second connector 2. The first connector 1 comprises a first housing 11 provided around the first connection terminal 10 and having at least one opening, and the second connector 2 comprises: a second housing 21 which is provided around a second connection terminal 20 and has an engaging portion 22 which engages with an opening 12 formed in the first housing 11 in a state in which the first connection terminal 10 and the second connection terminal 20 are mated and said second housing 21 is mated with the first housing 11; and a locking member 24 which is able to move in a longitudinal direction of the connecting structure S and prevents displacement of the engaging portion 22 in a direction of disengagement from the opening 12 in a state in which said locking member 24 is pushed in up to a predetermined position on the first connector 1 side.

IPC 8 full level
H01R 13/627 (2006.01); **H01R 13/641** (2006.01)

CPC (source: CN EP KR US)
H01R 13/15 (2013.01 - US); **H01R 13/58** (2013.01 - KR); **H01R 13/6271** (2013.01 - US); **H01R 13/6272** (2013.01 - EP);
H01R 13/631 (2013.01 - US); **H01R 13/639** (2013.01 - CN KR US); **H01R 13/641** (2013.01 - EP); **H01R 24/40** (2013.01 - US)

Cited by
WO2023089369A1

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

DOCDB simple family (publication)
EP 3553894 A1 20191016; **EP 3553894 B1 20210106**; CN 110364881 A 20191022; CN 110364881 B 20230324; JP 2019186059 A 20191024;
JP 6787943 B2 20201118; KR 20190118949 A 20191021; US 10749295 B2 20200818; US 2019319404 A1 20191017

DOCDB simple family (application)
EP 18207186 A 20181120; CN 201910092843 A 20190130; JP 2018075995 A 20180411; KR 20180154472 A 20181204;
US 201916375969 A 20190405