

Title (en)
CONNECTOR ASSEMBLY

Title (de)
VERBINDERBAUGRUPPE

Title (fr)
MODULE DE CONNECTEUR

Publication
EP 4241340 A1 20230913 (DE)

Application
EP 21810917 A 20211104

Priority
• CN 202011239802 A 20201109
• CN 202110282328 A 20210316
• DE 2021100879 W 20211104

Abstract (en)
[origin: WO2022096065A1] The invention relates to a connector assembly, comprising: - a first connector, which has a housing forming an installation space and has a contact terminal accommodated in the installation space; - a second connector, which has a housing forming an installation space and has a contact terminal accommodated in the installation space; and - a locking device, by means of which the first and second connectors are locked while they are joined together. The locking device comprises a release protection component on either the first connector or the second connector and an insert on the other of the components first connector and second connector. The invention further relates to an adapter, a connector, a lateral locking device and a mounting frame for the connector assembly. The connector assembly according to the invention is easy to assemble, allows the entire device to be made compact, and has improved electromagnetic shielding and watertightness.

IPC 8 full level
H01R 13/621 (2006.01); **H01R 13/52** (2006.01); **H01R 13/629** (2006.01); **H01R 13/639** (2006.01); **H01R 13/645** (2006.01)

CPC (source: CN EP KR US)
H01R 13/5202 (2013.01 - CN KR US); **H01R 13/5219** (2013.01 - CN KR US); **H01R 13/621** (2013.01 - EP KR US);
H01R 13/62933 (2013.01 - KR US); **H01R 13/631** (2013.01 - CN KR); **H01R 13/639** (2013.01 - CN EP KR US); **H01R 13/64** (2013.01 - CN KR);
H01R 13/6456 (2013.01 - US); **H01R 13/6581** (2013.01 - CN KR US); **H01R 24/00** (2013.01 - CN KR US); **H01R 31/06** (2013.01 - CN KR US);
H01R 13/5219 (2013.01 - EP); **H01R 13/62933** (2013.01 - EP); **H01R 13/6456** (2013.01 - EP)

Citation (search report)
See references of WO 2022096065A1

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)
KH MA MD TN

DOCDB simple family (publication)
WO 2022096065 A1 20220512; CN 114465053 A 20220510; EP 4241340 A1 20230913; KR 20230101866 A 20230706;
US 2023402790 A1 20231214

DOCDB simple family (application)
DE 2021100879 W 20211104; CN 202110282328 A 20210316; EP 21810917 A 20211104; KR 20237018714 A 20211104;
US 202118035843 A 20211104