

Title (en)

DEVICE FOR ESTABLISHING AN INTERLOCK CONNECTION

Title (de)

VORRICHTUNG ZUR HERSTELLUNG EINER INTERLOCK-VERBINDUNG

Title (fr)

DISPOSITIF D'ÉTABLISSEMENT D'UNE LIAISON DE VERROUILLAGE

Publication

**EP 4305934 A1 20240117 (DE)**

Application

**EP 22718927 A 20220329**

Priority

- DE 102021203197 A 20210330
- EP 2022058205 W 20220329

Abstract (en)

[origin: WO2022207602A1] The invention relates to a device (2) for establishing an interlock connection, comprising a plug assembly (4) and a circuit carrier (6), the plug assembly (4) having two plug terminals (8, 10) with in each case at least one associated interlock contact (12, 14), wherein a structural element (22) for mechanical reinforcement of the circuit carrier (6) is arranged on the circuit carrier (6), wherein the structural element (22) is a pot-shaped housing part, and the structural element (22) having a contact element (24) for electrically contacting the interlock contacts (12, 14).

IPC 8 full level

**H05K 5/02** (2006.01); **B60R 16/00** (2006.01); **B60R 16/03** (2006.01); **G01R 31/69** (2020.01); **H01R 13/707** (2006.01)

CPC (source: EP US)

**H01R 13/46** (2013.01 - US); **H01R 13/73** (2013.01 - US); **H01R 31/08** (2013.01 - US); **H05K 5/0208** (2013.01 - EP US); **G01R 31/69** (2020.01 - EP); **H01R 13/73** (2013.01 - EP); **H01R 31/08** (2013.01 - EP); **H01R 2201/26** (2013.01 - EP US)

Citation (search report)

See references of WO 2022207602A1

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)

**DE 102021203197 A1 20221006**; CN 117099489 A 20231121; EP 4305934 A1 20240117; US 2024032213 A1 20240125; WO 2022207602 A1 20221006

DOCDB simple family (application)

**DE 102021203197 A 20210330**; CN 202280024781 A 20220329; EP 2022058205 W 20220329; EP 22718927 A 20220329; US 202318479362 A 20231002