

Title (en)  
PLUG CONNECTOR COMPRISING JUMPERS

Title (de)  
STECKVERBINDER MIT KURZSCHLUSSBRÜCKEN

Title (fr)  
CONNECTEUR ENFICHABLE COMPRENANT DES PONTAGES DE COURT-CIRCUIT

Publication  
**EP 3526859 A1 20190821 (DE)**

Application  
**EP 18759844 A 20180806**

Priority  
• DE 102017120095 A 20170831  
• DE 2018100687 W 20180806

Abstract (en)  
[origin: WO2019042492A1] For ease and modification flexibility in the manufacture of jumpers in a plug connector, according to the invention the housing cover (10) is equipped with a contact carrier (3) which is releasably clipped thereon. The contact carrier (3) can be made in two parts and can have an upper part (1) and a lower part (32). These can be separated from one another and joined together in order to accommodate individual U-shaped contact pins (8, 8', 8'') for bridging socket contacts (28) of the plug connector or also in order to remove and/or replug said pins. If necessary, the complete contact carrier (3) can also be exchanged for another contact carrier having a different bridge assignment. As a result, the operating state of an electrical system can be individually defined and modified. When the housing cover is open, an external test plug can be plugged in for maintenance purposes. Furthermore, the contact carrier (3) can have a certain mechanical "play" for tolerance compensation in the housing cover (10) so that the contact pins (8, 8', 8'') and the contact carrier (3) are not subjected to mechanical stresses during opening and closing of the housing cover (10).

IPC 8 full level  
**H01R 31/08** (2006.01); **H01R 12/71** (2011.01); **H01R 13/631** (2006.01)

CPC (source: CN EP KR US)  
**H01R 13/02** (2013.01 - CN); **H01R 13/40** (2013.01 - CN); **H01R 13/424** (2013.01 - EP KR US); **H01R 13/506** (2013.01 - EP KR US); **H01R 13/6315** (2013.01 - KR US); **H01R 24/00** (2013.01 - CN); **H01R 31/08** (2013.01 - EP KR US); **H01R 43/20** (2013.01 - CN); **H01R 13/62933** (2013.01 - EP); **H01R 13/6315** (2013.01 - EP)

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)  
**DE 102017120095 A1 20190228**; CN 110121817 A 20190813; CN 110121817 B 20210615; CN 113285271 A 20210820; CN 113285271 B 20240301; EP 3526859 A1 20190821; EP 3526859 B1 20221005; KR 102220145 B1 20210226; KR 20190049856 A 20190509; US 10862256 B2 20201208; US 2020091669 A1 20200319; WO 2019042492 A1 20190307

DOCDB simple family (application)  
**DE 102017120095 A 20170831**; CN 201880005657 A 20180806; CN 202110589939 A 20180806; DE 2018100687 W 20180806; EP 18759844 A 20180806; KR 20197010817 A 20180806; US 201816469715 A 20180806