

Title (en)

CONTACT CONNECTING OF SHIELDED DATA LINES TO A BOARD AND METHOD FOR CONTACTING A NUMBER OF SHIELDED DATA LINES WITH A BOARD

Title (de)

KONTAKTANBINDUNG VON GESCHIRMTEN DATENLEITUNGEN AN EINER PLATINE SOWIE VERFAHREN ZUR KONTAKTIERUNG MEHRERER GESCHIRMTER DATENLEITUNGEN AN EINER PLATINE

Title (fr)

LIAISON DE CONTACT DE LIGNES DE DONNÉES BLINDÉES À UNE CARTE DE CIRCUITS ET PROCÉDÉ DE MISE EN CONTACT D'UNE PLURALITÉ DE LIGNES DE DONNÉES BLINDÉES AVEC UNE CARTE DE CIRCUITS

Publication

EP 3080872 B1 20210630 (DE)

Application

EP 14824800 A 20141212

Priority

- DE 102013225794 A 20131212
- EP 2014077610 W 20141212

Abstract (en)

[origin: WO2015086833A1] With the contact connecting of preferably a number of shielded conductor pairs (4) to a board (2) in particular of a plug (36) for high-speed data connections, the board (2) is formed of multiple layers and comprises a conductor path tier (18) and a ground tier (26). A ground contact zone (28) of the ground tier (26) projects, in a tongue-like manner, towards the connected conductor pairs (4). In the region of the ground contact zone (28), the individual conductor pairs (4) are pressed in contact against the corresponding pair shielding (10) thereof. To this end, in particular a clamping element (32) is provided that is also used to achieve the shield contacting.

IPC 8 full level

H01R 13/66 (2006.01); **H01R 12/53** (2011.01); **H01R 12/57** (2011.01); **H01R 13/6591** (2011.01); **H01R 13/6592** (2011.01); **H01R 13/6595** (2011.01); **H01R 13/6596** (2011.01)

CPC (source: EP US)

H01R 4/28 (2013.01 - US); **H01R 13/65914** (2020.08 - EP US); **H01R 13/65915** (2020.08 - EP US); **H01R 13/6592** (2013.01 - EP US); **H01R 13/6594** (2013.01 - US); **H01R 13/6595** (2013.01 - EP US); **H01R 13/6596** (2013.01 - EP US); **H01R 12/53** (2013.01 - EP US); **H01R 12/57** (2013.01 - EP US); **H01R 13/6658** (2013.01 - EP US)

Citation (examination)

- DE 29621580 U1 19970220 - FUBA AUTOMOTIVE GMBH [DE]
- US 2013225004 A1 20130829 - BEHZIZ ARASH [US], et al

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)

DE 102013225794 A1 20150618; CN 105814743 A 20160727; CN 105814743 B 20190419; EP 3080872 A1 20161019; EP 3080872 B1 20210630; US 2016294122 A1 20161006; US 9887496 B2 20180206; WO 2015086833 A1 20150618

DOCDB simple family (application)

DE 102013225794 A 20131212; CN 201480067601 A 20141212; EP 14824800 A 20141212; EP 2014077610 W 20141212; US 201615180244 A 20160613