Title (en)

PRESS-FIT TYPE CONNECTOR TERMINAL

Title (de)

EINPRESSANSCHLUSSKLEMME

Title (fr)

BORNE DE CONNECTEUR DE TYPE À AJUSTEMENT SERRÉ

Publication

EP 3206261 A1 20170816 (EN)

Application

EP 17153029 A 20130204

Priority

- JP 2012058817 A 20120315
- EP 13153883 A 20130204

Abstract (en)

A press-fit type connector terminal (600) is comprised of a single bent metal plate (610) having elasticity. The connector terminal (600) comprises a pin section (611) having a U-shaped or quadrangular cross-section, and a contact section (614) situated at a front end of the pin section (611). At least one slit (624) is formed at a part of the contact section (614), and extends substantially parallel to an imaginary center line (614c) of the contact section (614), the imaginary center line (614c) extending parallel to a longitudinal axis of the pin section (611). The contact section (614) is in the form of a barrel or a spindle and includes at least one contact piece (613) such that the contact piece (613) surrounds the imaginary center line (614c). The contact section (614) has a maximum diameter at a center in a length-wise direction thereof, and is resiliently deformed when being inserted into a through-hole of a printed circuit board, making contact at a portion of the maximum diameter with an inner surface of the through-hole.

IPC 8 full level

H01R 12/58 (2011.01); **H01R 43/16** (2006.01)

CPC (source: EP)

H01R 12/585 (2013.01); **H01R 43/16** (2013.01)

Citation (applicant)

- JP 2004134275 A 20040430 - FUJITSU LTD
- JP 2007157469 A 20070621 - FURUKAWA ELECTRIC CO LTD
- WO 2006077827 A1 20060727 - AUTONETWORKS TECHNOLOGIES LTD [JP], et al

Citation (search report)

- [XY] US 4908942 A 19900320 - LONG WILLIAM B [US], et al
- [YA] US 5653615 A 19970805 - INABA SHIGEMITSU [JP], et al
- [YA] US 4641910 A 19870210 - ROZMUS JOHN J [US]
- [YA] US 6338632 B1 20020115 - JONES DENNIS B [US]

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 2639887 A1 20130918; **EP 2639887 B1 20170726**; CN 103311708 A 20130918; CN 103311708 B 20160120; EP 3206261 A1 20170816

DOCDB simple family (application)

EP 13153883 A 20130204; CN 201310059580 A 20130226; EP 17153029 A 20130204