

Title (en)

ELECTRICAL CONNECTION SYSTEM COMPRISING AN ADDITIONAL LEAF SPRING

Title (de)

ELEKTRISCHES VERBINDUNGSSYSTEM MIT EINER ZUSÄTZLICHEN BLATTFEDER

Title (fr)

SYSTÈME DE LIAISON ÉLECTRIQUE AVEC UN RESSORT À LAMES ADDITIONNEL

Publication

EP 3520177 B1 20201111 (FR)

Application

EP 16787343 A 20160929

Priority

EP 2016073300 W 20160929

Abstract (en)

[origin: US2019229440A1] The invention relates to an electrical connection system (7) for an electrical device, such as an electrical terminal block, said electrical connection system (7) comprising: a conductive bar (21) including an electrical contact region (45) arranged to cooperate with a conductive portion (13') of an electrical conductor (13) in a connected position, and an engagement zone (35) arranged to engage with a portion (15') of a support rail (15) in an engaged position; a leaf spring (23); and a retaining device (49) arranged to maintain the engaged position with the portion (15') of the support rail (15), said retaining device (49) comprising an additional leaf spring (57) equipped with an additional clamping member (57'') arranged to engage with the portion (15') of the support rail (15) in the engaged position.

IPC 8 full level

H01R 4/48 (2006.01); **H01R 4/64** (2006.01); **H01R 9/26** (2006.01)

CPC (source: EP US)

H01R 4/4809 (2013.01 - US); **H01R 4/4821** (2023.08 - EP); **H01R 4/48275** (2023.08 - US); **H01R 4/485** (2023.08 - EP); **H01R 9/2608** (2013.01 - EP US); **H01R 4/4842** (2023.08 - EP); **H01R 4/64** (2013.01 - EP US); **H01R 9/2691** (2013.01 - EP 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)

US 10985475 B2 20210420; **US 2019229440 A1 20190725**; CN 109845038 A 20190604; CN 109845038 B 20210413; EP 3520177 A1 20190807; EP 3520177 B1 20201111; WO 2018059696 A1 20180405

DOCDB simple family (application)

US 201616337199 A 20160929; CN 201680089691 A 20160929; EP 16787343 A 20160929; EP 2016073300 W 20160929