Title (en)

PLUG CONNECTOR HAVING A HOUSING AND A CLAMPING INSERT

Title (de)

STECKVERBINDER MIT EINEM GEHÄUSE UND MIT EINEM KLEMMEINSATZ

Title (fr)

CONNECTEUR ENFICHABLE COMPORTANT UN BOITIER ET UN INSERT DE VERROUILLAGE

Publication

EP 1362393 B1 20040915 (DE)

Application

EP 03704564 A 20030207

Priority

- DE 20203788 U 20020308
- EP 0301202 W 20030207

Abstract (en)

[origin: WO03077373A1] A plug connector (1) has, inside a housing (2), an insulating body (3) that accommodates, in a known manner, contact elements, for example, contact pins and/or contact sockets that are connected to individual wires or strands (5) of an electric cable (6). The plug connector also comprises a clamping body or a clamping insert (7) for fixing the electric cable (6) relative to the housing (2), this fixing being effected by a clamping nut, preferably a union nut (9). In order to easily assemble these parts that are held at intervals determined in the axial direction, the insulating body (3) and the clamping body (7) are joined by at least one, preferably a number of spacers (10) whereby, to the side of the spacers (10), a radially open space (11) between the insulating body (3) and the clamping body (7) remains free. To this end, the insulating bodies (3) and clamping bodies (7) are preferably provided as separate parts that can be interlocked by means of spacers (10).

IPC 1-7

H01R 13/59

IPC 8 full level

H01R 9/03 (2006.01); **H01R 13/506** (2006.01); **H01R 13/59** (2006.01); H01R 13/658 (2011.01)

CPC (source: EP US)

H01R 13/506 (2013.01 - EP US); **H01R 13/65912** (2020.08 - EP US); H01R 13/6592 (2013.01 - EP US)

Citation (examination)

US 4354723 A 19821019 - LEE HOP

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

DE 20203788 U1 20020606; AT 276593 T 20041015; AU 2003206857 A1 20030922; BR 0306182 A 20041019; BR PI0306182 B1 20161025; CN 100413157 C 20080820; CN 1592991 A 20050309; DE 50300078 D1 20041021; EA 005353 B1 20050224; EA 200400388 A1 20040624; EP 1362393 A1 20031119; EP 1362393 B1 20040915; ES 2225814 T3 20050316; US 2005032414 A1 20050210; US 6935886 B2 20050830; WO 03077373 A1 20030918; WO 03077373 A8 20040527

DOCDB simple family (application)

DE 20203788 U 20020308; AT 03704564 T 20030207; AU 2003206857 A 20030207; BR 0306182 A 20030207; CN 03801504 A 20030207; DE 50300078 T 20030207; EA 200400388 A 20030207; EP 0301202 W 20030207; EP 03704564 A 20030207; ES 03704564 T 20030207; US 49653204 A 20040524