

Title (en)

PLUG- AND SOCKET-CONNECTOR

Publication

EP 0037014 B1 19841031 (DE)

Application

EP 81102020 A 19810318

Priority

DE 3012239 A 19800328

Abstract (en)

[origin: CA1147414A] A plug contact assembly, comprising a female plug member and a corresponding male plug piece, is provided with an interlocking means utilizing a locking tongue member which is protected from deformation and mechanical stress within the confines of an annular surrounding socket wall. The tongue is a free-extending, resilient member having at least one detent hump formed thereon and arranged to engage into an associated detent recess formed along a generally flat base wall surface of the other plug section to establish a locking interconnection of the plug contact members. The tongue is spaced beneath an adjacent edge of a plug head portion to define therebetween a groove into which the base wall of the other associated plug section slides during interengagement of the plug members. The groove and base wall are of approximately equal heights such that a tight-fit passage of the base wall into the groove is afforded, thereby assuring proper alignment of connector pins and plug contact holes during the joining together of the male and female plug members.

IPC 1-7

H01R 13/627; **H01R 13/506**

IPC 8 full level

H01R 13/639 (2006.01); **H01R 13/506** (2006.01); **H01R 13/627** (2006.01); **H01R 13/64** (2006.01); **H01R 24/28** (2011.01); **H01R 24/38** (2011.01); **H01R 24/86** (2011.01); **H01R 13/46** (2006.01)

CPC (source: EP US)

H01R 13/6271 (2013.01 - EP US); **H01R 13/465** (2013.01 - EP US); **H01R 13/64** (2013.01 - EP US)

Citation (examination)

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- US 3452316 A 19690624 - PANEK GEORGE JAMES, et al
- US 3953099 A 19760427 - WILSON WILLIAM DEAN
- US 4166664 A 19790904 - HERRMANN HENRY O JR [US]

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0037014 A2 19811007; **EP 0037014 A3 19820526**; **EP 0037014 B1 19841031**; CA 1147414 A 19830531; DE 3012239 A1 19811008; DE 3012239 C2 19820527; DE 3166896 D1 19841206; DK 135681 A 19810929; JP S56149787 A 19811119; JP S6161501 B2 19861225; US 4420209 A 19831213

DOCDB simple family (application)

EP 81102020 A 19810318; CA 373917 A 19810326; DE 3012239 A 19800328; DE 3166896 T 19810318; DK 135681 A 19810326; JP 4465381 A 19810326; US 23905381 A 19810227