

Title (en)

Receptacle connector having protected power contacts.

Title (de)

Steckverbinder mit geschützten Leistungskontakten.

Title (fr)

Dispositif de connexion avec des contacts de puissance protégés.

Publication

EP 0443492 A1 19910828 (EN)

Application

EP 91102277 A 19910218

Priority

US 48125390 A 19900220

Abstract (en)

An electrical connector 22 includes a dielectric housing 24 including a transverse body section 26 and a shroud portion 39 extending forwardly therefrom and defining a cavity 42, an array of pin contact members 44 extending forwardly of the body section 26 and within the cavity 42 and at least one pair of closely spaced elongate members 54, 64 within the cavity 42. The elongate members 54, 64 extend to respective leading ends 57, 67 forwardly beyond the leading edge 40 of the shroud portion 39 and cooperate with the shroud portion 39 and with each other to disallow inadvertent entry of a human finger into the cavity 42 proximate pin contact members 44 adjacent the elongate members 54, 64. The pair of elongate members 54, 64 further provide aligning and keying means for the connector 22. <IMAGE>

IPC 1-7

H01R 13/44; **H01R 13/645**

IPC 8 full level

H01R 13/645 (2006.01); **H01R 13/629** (2006.01)

CPC (source: EP)

H01R 13/6453 (2013.01); **H01R 12/716** (2013.01); **H01R 12/724** (2013.01); **H01R 12/737** (2013.01); **H01R 13/44** (2013.01); **H01R 13/629** (2013.01)

Citation (search report)

- [A] US 4568134 A 19860204 - DIMONDI VINCENT D [US]
- [A] US 3714617 A 19730130 - BRIGHT E, et al
- [A] US 4365857 A 19821228 - WATANABE KOUJI, et al
- [A] WO 8902166 A1 19890309 - AMP INC [US]
- [A] WO 8902168 A1 19890309 - AMP INC [US]

Cited by

DE102013209690A1; EP0702429A3; US6501659B1; EP0560317A3; US6659795B1; EP1079474A1; US7021729B2; FR2699334A1; GB2298746A; GB2298746B; US5722787A; US10181679B1; WO2012151367A3; WO2008117180A3; US9287666B2; US10218124B1; US8182296B2; US8348703B2; US8435085B2; DE202014011405U1; EP3726660A1; EP3726661A1; EP3916926A1; DE102013209690B4

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0443492 A1 19910828; **EP 0443492 B1 19950426**; DE 69109149 D1 19950601; DE 69109149 T2 19950831

DOCDB simple family (application)

EP 91102277 A 19910218; DE 69109149 T 19910218