

Title (en)

Electrical connector device with a number of terminals.

Title (de)

Elektrische Verbindungsvorrichtung mit mehreren Klemmen.

Title (fr)

Système connecteur électrique à plusieurs terminaux.

Publication

EP 0277822 B1 19940601

Application

EP 88300900 A 19880203

Priority

- JP 1382787 U 19870203
- JP 2427487 A 19870204
- JP 3315087 U 19870309

Abstract (en)

[origin: EP0277822A2] An electrical connector device comprising male and female housings (1,2) and terminal seating detecting means (12,21). Each of the housings includes retaining means (5,6) protruding in the form of a cantilever from each of partition walls, which define terminal chambers (3) arranged in the form of a matrix composed of a plurality of rows and columns, and resiliently bendable in a flexure space. As male terminals, contained individually in the terminal chambers, and female terminals, adapted to be connected to the male terminals, engage the retaining means, the terminals are prevented from slipping out of the chambers. The terminal seating detecting means is fitted into the flexure space of the retaining means when the terminals are contained in their corresponding terminal chambers so that they normally engage the retaining means. The detecting means for the male terminals is formed integrally with at least one integral planar portion (14) for protecting the male terminals from collision with objects running toward them, and the female housing has a fitting groove bored therein and adapted to receive the planar portion.

IPC 1-7

H01R 13/56; **H01R 13/627**

IPC 8 full level

H01R 13/436 (2006.01); **H01R 13/56** (2006.01); **H01R 13/627** (2006.01)

CPC (source: EP KR)

H01R 9/00 (2013.01 - KR); **H01R 13/4364** (2013.01 - EP); **H01R 13/56** (2013.01 - EP); **H01R 13/6272** (2013.01 - EP)

Cited by

FR2723666A1; US5674088A; EP0791982A3; US4984998A; FR2731559A1; EP0389955A3; EP0384577A3; DE4106714C5; EP0856915A1; GB2269944A; GB2269944B; CN118523103A; US6186813B1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 0277822 A2 19880810; **EP 0277822 A3 19910102**; **EP 0277822 B1 19940601**; DE 3889738 D1 19940707; DE 3889738 T2 19950427; KR 880010518 A 19881010; KR 970000553 B1 19970113

DOCDB simple family (application)

EP 88300900 A 19880203; DE 3889738 T 19880203; KR 880000934 A 19880202