

Title (en)  
Electrical connector housing.

Title (de)  
Gehäuse für elektrischen Verbinder.

Title (fr)  
Boîtier de connecteur électrique.

Publication  
**EP 0416623 B1 19940810 (EN)**

Application  
**EP 90117195 A 19900906**

Priority  
GB 8920154 A 19890906

Abstract (en)  
[origin: EP0416623A1] An electrical connector insulating housing (2) defines a single ring of cavities (8) each for receiving an electrical terminal (28). A central spigot (78) projects within the ring of cavities (8), as a cantilever, and acts as a pivot for annular terminal retainer (4) having thereon radially outwardly projecting terminal retaining studs (114) and a pair of diametrically opposed latching spurs (120), each spur (120) being engageable in first and second latching notches (108 and 108 min ) in the spigot (78). Guides are provided to ensure that the terminal retainer (4) can be mated with the spigot (78) only in a first angular position in which each latching spur (120) engages in a first latching notch (108), in which position the terminal retaining studs (114) are outside the cavities (8). A terminal (28) is then inserted to each cavity (8) and a tool is applied to the terminal retainer (4) by way of a mating face (12) of the housing (2), to rotate the terminal retainer (4) to a second angular position in which each spur (120) engages in a respective second latching notch (108 min ) and in which position each terminal retaining member (114) overlies an abutment collar (44) on the terminal (28), to prevent it from backing out from its cavity (8) even under the action of severe vibration.

IPC 1-7  
**H01R 13/436**

IPC 8 full level  
**H01R 13/639** (2006.01); **H01R 13/436** (2006.01)

CPC (source: EP)  
**H01R 13/4365** (2013.01)

Cited by  
FR2729794A1; US5647776A

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DE ES FR GB IT SE

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**EP 0416623 A1 19910313; EP 0416623 B1 19940810**; DE 69011441 D1 19940915; DE 69011441 T2 19941208; ES 2057301 T3 19941016; GB 8920154 D0 19891018; JP 3017519 B2 20000313; JP H03119671 A 19910522

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