

Title (en)  
Electrical connector.

Title (de)  
Elektrischer Verbinder.

Title (fr)  
Connecteur électrique.

Publication  
**EP 0163473 A2 19851204 (EN)**

Application  
**EP 85303548 A 19850520**

Priority  
GB 8413599 A 19840529

Abstract (en)  
An electrical connector member includes a cylindrical outer shell (1) which encloses a bonded insulating insert assembly (2) having a plurality of axial passages (7) for electrical contacts. The insert assembly includes a rigid main insert (3), a rigid wafer (4), a rubber grommet (6) and a rubber seal (5). The shell has an internal shoulder (8) which provides a stop for a collar (9) provided on the insert (3). A dish shaped resilient beryllium copper retention ring (11) having a plurality of axially directed slots (12) is placed in an internal annular recess (10) in the shell before the insert assembly is inserted into the shell. When the insert assembly is inserted, the smaller diameter edge (16) of the retention ring slides over the collar (9) until, on full insertion, the edge (16) snaps firmly against the shoulder (14) of the collar. The insert is then firmly supported in the shell by the spring force of the retention ring and requires no encapsulation.

IPC 1-7  
**H01R 13/508**

IPC 8 full level  
**H01R 13/508** (2006.01); **H01R 13/627** (2006.01)

CPC (source: EP)  
**H01R 13/508** (2013.01); **H01R 13/6277** (2013.01)

Cited by  
FR2651545A1; EP0285703A3; DE3823617A1; DE3843852A1; DE3843852C2

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0163473 A2 19851204; EP 0163473 A3 19870826**; GB 8413599 D0 19840704

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