

Title (en)  
Connector provided with a retainer

Title (de)  
Verbinder mit Kontaktverriegelung

Title (fr)  
Connecteur avec verrouillage

Publication  
**EP 0903814 B1 20050105 (EN)**

Application  
**EP 98117554 A 19980916**

Priority  
JP 25177997 A 19970917

Abstract (en)  
[origin: EP0903814A1] To provide a connector provided with a retainer in which a retainer insertion hole is covered and terminal fittings are retained with a large force. In an inner housing 12 fittable into an outer housing 11, a retainer insertion hole 23 is so provided as to extend in a direction normal to the extension of cavities 15. A retainer 40 inserted into this insertion 23 faces rear end surfaces 31B of main portions 31 of terminal fittings 30 to prevent the terminal fittings 30 from coming out. According to this embodiment, since the retainer 40 directly prevents the terminal fittings 30 from coming out, the terminal fittings 30 can be retained with a large force. Further, the retainer insertion hole 23 is not exposed by being covered by the outer housing 11 because it is formed in the inner housing 12. In other words, the invention can provide a connector having advantages of prior art side retainer type and front retainer type connectors. <IMAGE>

IPC 1-7  
**H01R 13/436**; **H01R 13/52**; **H01R 13/506**

IPC 8 full level  
**H01R 13/42** (2006.01); **H01R 13/436** (2006.01); **H01R 13/506** (2006.01); **H01R 13/52** (2006.01)

CPC (source: EP)  
**H01R 13/4362** (2013.01); **H01R 13/506** (2013.01); **H01R 13/5202** (2013.01)

Citation (examination)  
DE 4229279 A1 19930311 - YAZAKI CORP [JP]

Cited by  
EP2413431A1; EP0913887A3; FR2881000A1; CN102224642A; EP2811582A1; US11569605B2; US6358102B1; US8840435B2; US7150649B2; US6676453B1; US9368897B2; WO2012013518A1; WO2018115085A1; WO2013178773A1; WO2010060879A1; WO0135497A1; US10847924B2; US9379475B2; US8047861B2; US10686274B2; WO2018050664A1; WO2009053778A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0903814 A1 19990324**; **EP 0903814 B1 20050105**; BR 9803576 A 19991019; CN 1211836 A 19990324; DE 69828470 D1 20050210; DE 69828470 T2 20051215; JP 3632811 B2 20050323; JP H1197096 A 19990409

DOCDB simple family (application)  
**EP 98117554 A 19980916**; BR 9803576 A 19980916; CN 98119289 A 19980917; DE 69828470 T 19980916; JP 25177997 A 19970917