

Title (en)
Connector provided with a retainer

Title (de)
Verbinder mit Kontaktverriegelung

Title (fr)
Connecteur avec verrouillage

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Application
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Abstract (en)
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>

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CPC (source: EP)
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Citation (search report)
• [XA] EP 0700125 A2 19960306 - THOMAS & BETTS CORP [US]
• [A] DE 4123505 C1 19930121

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

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