

Title (en)  
ELECTRICAL CONNECTOR INCLUDING A MATING ASSURANCE DEVICE

Title (de)  
ELEKTRISCHER VERBINDER MIT KUPPLUNGSSICHERUNGSVORRICHTUNG

Title (fr)  
CONNECTEUR ELECTRIQUE AVEC DISPOSITIF PERMETTANT D'ASSURER L'ACCOUPLEMENT DE CONNECTEURS

Publication  
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Application  
**EP 97924187 A 19970613**

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Abstract (en)  
[origin: WO9749146A1] An electrical connector (12, 112) for mating with a complementary component (14, 114), the connector comprising: a connector housing (24) having cavities (30, 130) therein for receiving contacts; a positive contact retention member (26, 126) cooperating with the connector housing (24, 124) and having a first position where contacts are insertable into the cavities (30, 130) and a second position where the contacts are positively retained in the connector housing (24, 124); a deflectable latch (46, 146) that is complementary to a corresponding catch (122) on the complementary component (14, 114) for retaining the complementary component and connector in a mated position; and a mating assurance device (16, 116) having a preassembled position and an assurance position, during mating, the mating assurance device (16, 116) being displaceable from the preassembled position to the assurance position once complete mating and engagement of the complementary catch (122) by the deflectable latch arm (14, 114) occurs; the electrical connector (12, 112) being characterized in that for the mating assurance device (16, 116) to be displaced from the preassembled position to the assurance position, the positive contact retention member (26, 126) must be in the second position.

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IPC 8 full level  
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