

Title (en)

Electrical connector having front loadable secondary locking member

Title (de)

Elektrischer Verbinder mit sekundären Frontladeverriegelungsmitteln

Title (fr)

Connecteur électrique avec élément de rétention secondaire pour chargement frontal

Publication

EP 0767515 A2 19970409 (EN)

Application

EP 96115451 A 19960926

Priority

GB 9520188 A 19951003

Abstract (en)

An electrical connector (2) comprising a connector housing (4) and a locking member (6) where the connector housing (4) includes a contact cavity (10) for receiving an electrical contact and has a retention arm (40) that is deflectable to allow the contact to be inserted into the cavity (10) and after the contact passes thereby resiles therebehind, the locking member (6) having a wedge (34) extending therefrom where the locking member (6) has a first position relative the connector housing (4) such that the retention arm (40) is deflectable to allow the contact to pass and a second position where the wedge (34) is located behind the retention arm (40) and prevents deflection thereof, the connector (2) being characterized in that the wedge (34) includes an abutment shoulder (54) along the backup surface (48) that is oriented transversely to the direction of insertion of the locking member (6) such that the abutment shoulder (54) stubs the retention arm (40) if the retention arm (40) is in a deflected position, thereby preventing the locking member (6) from achieving the second position and where the locking member 40 further includes a resilient tab (26) that interferes with the connector housing 4, thereby preventing insertion thereof to the second position unless deflected. <IMAGE>

IPC 1-7

H01R 13/436

IPC 8 full level

H01R 13/436 (2006.01); **H01H 50/14** (2006.01)

CPC (source: EP)

H01R 13/4365 (2013.01); **H01H 50/14** (2013.01)

Citation (applicant)

US 4708662 A 19871124 - KLEIN DAVID A [US]

Cited by

FR2778501A1; US6132252A; EP0955695A3

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