Title (en)

An electrical connector with a transport device

Title (de)

Ein elektrischer Verbinder mit einer Transportvorrichtung

Title (fr)

Connecteur électrique avec un dispositif de transport

Publication

EP 0991144 A3 20001102 (EN)

Application

EP 99202881 A 19990906

Priority

DE 19844689 A 19980929

Abstract (en)

[origin: EP0991144A2] An electrical connector (10), for mating with another electrical connector along an axis (X), comprising a housing (16) having opposed side walls (18,20) and opposed end walls (22), each side wall having an upper wall (24) and a lower wall (26) defining opposed slide surfaces (28) extending in a direction (Y) substantially perpendicular to the mating axis, and an aperture (34) in one of the side walls; a substantially U-shaped lever (58) having a pair of arms (60) pivotally mounted on the housing and movable between an unmated position and a mated position; a slider (30,31) positioned adjacent each side wall, each slider having an upper edge (55) and a lower edge (50) making a sliding engagement with the slide surfaces of the upper wall and the lower wall, respectively, of the side walls, engaging means for engaging the other connector, and an aperture (36) in the one slider positioned adjacent the one side wall and alignable with the aperture in the one side wall when the lever is in the unmated position; drive means (66,74;68,80) on each arm and each slider to slide each slider relative to the adjacent side wall on pivoting of the lever relative to the housing between the unmated and mated positions; a body (14) retaining electric contacts positioned inside the housing; an end cap (86) on the body adjacent the lower walls of the side walls of the housing; and a transport device (94) including a forked member (98) engaging the end cap, and a resilient button (102) making a snap fit in the aligned apertures in the one side wall and the one slider when the lever is in the unmated position. Secures the lever (58) and the contact body (14) during transportation. <IMAGE>

IPC 1-7

H01R 13/629

IPC 8 full level

H01R 13/629 (2006.01)

CPC (source: EP)

H01R 13/62977 (2013.01); H01R 13/62922 (2013.01)

Citation (search report)

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- [A] EP 0669680 A1 19950830 - CINCH CONNECTEURS SA [FR]
- [A] DE 19633827 C1 19971120 - CONTACT GMBH [DE]

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Designated contracting state (EPC)

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