

Title (en)
Connector assembly.

Title (de)
Steckeranordnung.

Title (fr)
Assemblage des connecteurs.

Publication
EP 0125498 A1 19841121 (DE)

Application
EP 84104117 A 19840412

Priority
DE 3313144 A 19830412

Abstract (en)

1. Electrical pin-and-socket connector (86) with a) a housing consisting of two half-shells (2, 4) and adapted to accommodate a contact carrier element (6), b) in the corner zones of each half-shell (2, 4) which are towards the contact carrier element (6), matchingly constructed connecting elements (34, 36; 50, 52) which engage separably into one another when the housing is assembled, c) in the region of the housing end opposite the contact carrier element (6), means for the reciprocal interlocking of the closed half-shells (2, 4), characterised by the following features : d) the connecting elements (34, 36; 50, 52) are constructed as projections which bear on the inside of a fixing flange (42) of the contact carrier element (6) and which, when the half-shells are assembled, have adjacently disposed surfaces extending at a right-angle to and parallel with the plane of the fixing flange (42) and which engage each other pairwise, e) disposed on the half-shells (2, 4), in each corner zone, there is on the end face a retaining hook (68, 78) which engages over the fixing flange (42) of the contact carrier element (6) and which, when the half-shells (2, 4) are closed, bears on the outside of the fixing flange (42), f) those faces of the projections (34, 36; 50, 52) which extend parallel with the plane of the fixing flange (42) on one half-shell (2) are of convex construction, taking the form of part of a cylinder to serve as pivotally guiding faces (44, 46) while those of the other half-shell (4) are of matchingly concave construction to serve as pivotally guiding faces (54, 56), g) the front edges of the retaining hooks (78) which bear on the outside of the fixing flange (42) and which are provided on the half-shell (4) which has the concave pivotally guiding faces (54, 56) lie on the longitudinal axis (48) of the cylinder, h) when the half-shells (2, 4) are closed, the concave pivotally guiding faces (54, 56) engage behind the convex faces (44, 46) when, during pivoting of the halfshells (2, 4) about the longitudinal axis (48) of the cylinder, a predetermined minimum angle is attained and passed.

Abstract (de)

Eine Abdeckhaube zur Aufnahme eines bekannten Miniatursteckers (6) besteht aus zwei Halbschalen (2, 4), die jeweils mit scharnierartig zusammensteckbaren, die Halbschalen (2, 4) schwenkbar miteinander verbindenden Scharnierelementen (34, 36; 50, 52) versehen sind. Nach dem Einsetzen des fertig verkabelten Steckers (6) in eine der Halbschalen (2) werden die Scharnierelemente (50, 52) der zweiten Halbschale (4) mit den Scharnierelementen (34, 36) der ersten zusammengesteckt, die beiden Halbschalen (4, 6) durch Verschwenken geschlossen und durch Verriegelungsmittel (80, 84) miteinander verriegelt. Durch die Verwendung von Scharnierelementen ergibt sich eine einfache, leicht zu montierende Abdeckhaube mit kleinen Abmessungen.

IPC 1-7
H01R 13/502; **H01R 13/639**

IPC 8 full level
H01R 13/502 (2006.01); **H01R 13/516** (2006.01); **H01R 13/639** (2006.01); **H01R 13/512** (2006.01)

CPC (source: EP)
H01R 13/516 (2013.01); **H01R 13/512** (2013.01); **H01R 13/639** (2013.01)

Citation (search report)
• [A] US 4076204 A 19780228 - KALKA JAMES C
• [A] DE 2053213 A1 19720504 - SEL
• [AD] DE 2155463 A1 19720803 - BUNKER RAMO

Cited by
DE102016012030A1; US6007384A; EP0649191A1; US5505637A; CN1075259C; EP1914842A1; ES2323610A1; US6705894B1; US6969283B2; US7641504B1; WO9910953A1

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0125498 A1 19841121; **EP 0125498 B1 19870812**; DE 3313144 A1 19841025; DE 3313144 C2 19870122; DE 3465394 D1 19870917

DOCDB simple family (application)
EP 84104117 A 19840412; DE 3313144 A 19830412; DE 3465394 T 19840412