

Title (en)
CONNECTOR WITH A PLUG AND A SOCKET

Title (de)
STECKVERBINDER MIT EINEM STECKER UND EINER BUCHSE

Title (fr)
CONNECTEUR COMPRENANT UNE FICHE ET UNE DOUILLE

Publication
EP 0824768 A1 19980225 (DE)

Application
EP 96914930 A 19960417

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• EP 9601602 W 19960417

Abstract (en)
[origin: US5904587A] PCT No. PCT/EP96/01602 Sec. 371 Date Oct. 2, 1997 Sec. 102(e) Date Oct. 2, 1997 PCT Filed Apr. 17, 1996 PCT Pub. No. WO96/35245 PCT Pub. Date Nov. 7, 1996The electrical connector (1) with a socket section (2) and a plug section (3) contains a clip (4) by which the pin (5) of the plug section (3) can be clamped in the axial direction and secured against unintentional withdrawal. In addition there is protection against contact with the live parts of the connector (1) which nevertheless permits the rotation of the clip (4) so that it can be closed and opened. Essentially, the plug section (2) has a sleeve (13) which surrounds the pin (5) externally and in spaced relationship to it and is rotatable in relation to the plug section (2), which sleeve (13) is of such an axial length and inner dimensions that, with the pin (5) inserted into the clip (4), the sleeve (13) is axially movably pushed in an axial direction onto the component serving to rotate the conical section (6) of the clip (4) and at the same time is coupled thereto in the direction of rotation. Rotating the sleeve (13) when the electrical connector is assembled can thus close the clip and contra-rotating it opens said clip, the conical section (6) then moving axially in relation to the sleeve but being also driven in the direction of rotation. At the same time, the sleeve (13) protects the pin (5) against undesired contact even when the connector (1) is disassembled.

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IPC 8 full level
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