

Title (en)
Electrical connector with quick locking device

Title (de)
Elektrischer Steckverbinder mit Schnellverriegelung

Title (fr)
Connecteur électrique à verrouillage rapide

Publication
EP 0915534 B1 20050518 (DE)

Application
EP 98118772 A 19981005

Priority
DE 19749130 A 19971106

Abstract (en)
[origin: EP0915534A2] An electrical plug-connector includes a first plug element (1) provided with an outer encircling groove (5), a second plug element (2) provided with an inner encircling groove (6), a locking ring (3) which is fixed by the groove on the second plug element, and on which are formed inclined locking tongues (4) pointing radially inwards and in the plug-in direction (X) of the first plug element and which jut into the groove when the plug connector is locked. An unlocking sleeve (7) can be axially pushed on to the second plug element, and internally has a cylindrical unlocking member (8) jutting out in the insertion direction (X) of the first plug element, through which the free-ends of the locking tongues can be pressed outwards. The locking ring is closed, narrow and disc-shaped, and more specifically, the locking ring and the locking tongues are manufactured from a common sheet-metal plate by punch-bending machine.

IPC 1-7
H01R 13/627

IPC 8 full level
H01R 13/627 (2006.01)

CPC (source: EP)
H01R 13/6277 (2013.01)

Cited by
CN111164839A; DE202005016343U1; CN100459317C; JP2004356083A; EP1641086A1; CN107666057A; EP3471217A4; US11152744B2; US7207824B1; WO2018019008A1

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