

Title (en)

Lever-operated connector assembly with two complementary connectors

Title (de)

Hebelbetätigte Verbindungsanordnung mit zwei komplementären Verbindern

Title (fr)

Ensemble de connecteur actionné par levier avec deux connecteurs complémentaires

Publication

EP 1028494 B1 20050427 (EN)

Application

EP 00102759 A 20000210

Priority

EP 99102686 A 19990212

Abstract (en)

[origin: EP1028494A2] The invention relates to an electric connector assembly (1) with two complementary connectors (2, 3) of which the first (2) comprises a socket (4) for receiving the second connector (3) and the second connector (3) comprises a pivotal lever (24) with a guide groove (27) which interacts with a guide peg (13) provided in the socket in such a way that the two connectors can be partially plugged when the lever is located in an entry position in which the guide peg can be inserted into the guide groove and in such a way that, owing to the operation of the lever, the guide peg moves along the guide grooves and the complementary connectors are completely plugged, wherein a second groove (28) is provided on the pivotal lever, and a second peg (14) is provided in the socket and wherein, on operation of the lever, the peg initially moves freely in the groove and groove and peg interact as from a specific lever position and the two connectors are plugged with restricted guidance. <IMAGE> <IMAGE>

IPC 1-7

H01R 13/629

IPC 8 full level

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CPC (source: EP)

H01R 13/62938 (2013.01); **H01R 13/62955** (2013.01)

Cited by

WO2018161285A1; EP1343225A3; CN106898920A; DE102008010035B4; DE10332893A1; EP1209769A1; EP2899735A1; EP1679767A1; DE102012018271A1; DE102012018271B4; CN110462943A; EP3593416A4; US6544054B2; EP1343225A2; WO2017107727A1; US9460877B2; US10950976B2

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