

Title (en)

CONNECTOR ASSEMBLY WITH IMPROVED LEVER GEAR TRANSMISSION

Title (de)

VERBINDERANORDNUNG MIT VERBESSERTER HEBELGETRIEBEÜBERSETZUNG

Title (fr)

ENSEMBLE DE CONNECTEUR PRÉSENTANT UNE MEILLEURE TRANSMISSION D'ENGRENAGE À LEVIER

Publication

**EP 3373398 A1 20180912 (EN)**

Application

**EP 17160363 A 20170310**

Priority

EP 17160363 A 20170310

Abstract (en)

The invention relates to a connector assembly (1) comprising a connector (3), a mating connector (5) adapted to be coupled to the connector (3) in a mating direction (9), and a lever assembly (7). Connector assemblies (1) of the art have the disadvantage that they do not provide a sufficiently high axial force and may not be manipulated within a limited mounting space. The inventive connector assembly (1) solves this problem in that the lever assembly (7) comprising at least one lever (11), the lever (11) being arranged on the connector (3) pivotably about a pivot axis (35), the pivot axis (35) being oriented essentially perpendicular to the mating direction (9), the lever (11) at least partly covering the mating connector (5) in a coupled state (91) of the connector assembly (1), the lever (11) comprising an inner lever member (15) and an outer lever member (13), the inner lever member (15) being connected to the outer lever member (13) at a position distal from the pivot axis (35), the inner lever member (15) being arranged between the outer lever member (13) and the mating connector (5) in the coupled state (91) of the connector assembly (1), and the inner lever member (15) engaging the mating connector (5), at least in the mating direction (9).

IPC 8 full level

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CPC (source: EP)

**H01R 13/62933** (2013.01); **H01R 13/631** (2013.01); **H01R 13/6275** (2013.01)

Citation (search report)

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CN113258355A

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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