

Title (en)

DEVICE, METHOD AND SYSTEM FOR ASSEMBLY OF AN ELECTRICAL PLUG CONNECTOR

Title (de)

VORRICHTUNG, VERFAHREN UND SYSTEM ZUR MONTAGE EINES ELEKTRISCHEN STECKVERBINDERS

Title (fr)

DISPOSITIF, PROCÉDÉ ET SYSTÈME D'ASSEMBLAGE DE CONNECTEUR ÉLECTRIQUE MÂLE

Publication

EP 4049349 A1 20220831 (DE)

Application

EP 20803484 A 20201105

Priority

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Abstract (en)

[origin: WO2021094179A1] The invention relates to a device (1) for the assembly of an electrical plug connector (2). The device has a feed unit (16) that is designed to press a forward end (5) of an electric cable (3a, 3b), said forward end being prefabricated with an inner conductor contact element (6), into a corresponding plug-in point (17) of a housing assembly (4) of the plug connector (2) along a feed direction (X) until the inner conductor contact element (6) reaches a target position (Ps) within the housing assembly (4). The device (1) also has an optical sensor unit (24), which is designed to detect the actual position (Pl) of the inner conductor contact element (6) within the housing assembly (4) while the cable (3a, 3b) is being pressed in. The device (1) further has a force transducer (23), which is designed to detect the pressing force applied while the cable (3a, 3b) is being pressed in.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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