

Title (en)
ELECTRIC CONNECTOR

Title (de)
ELEKTRISCHER STECKVERBINDER

Title (fr)
CONNECTEUR ÉLECTRIQUE

Publication
EP 3766141 B1 20240626 (EN)

Application
EP 19716574 A 20190315

Priority
• IT 201800003702 A 20180316
• IB 2019052127 W 20190315

Abstract (en)
[origin: WO2019175847A1] The electric connector (1) comprises: one tail member (2) adapted to accommodate one electric cable (3) to be electrically connected to one connecting element; one head member (4) coupleable to the connecting element to connect the cable (3) thereto; removable union means (14, 15) for uniting the tail member (2) to the head member (4); - at least one connector element (29, 30) adapted to electrically connect the cable (3) to the connecting element; blocking means (5, 6) provided with: at least one elastically deformable element (5) defining with said connector element (29, 30) at least one blocking point of the cable (3); - at least one actuation lever (6) rotatable around an axis of rotation (A) between a first work configuration, wherein the blocking point is open, and a second work configuration, in which the blocking point is closed; assembly means for assembling the blocking means (5, 6) to at least one of the tail member (2) and the head member (4) provided with: - at least one hollow body (10) defining one housing (11a, 11 b), the connector element (29, 30), the elastically deformable element (5) and the actuation lever (6) being arranged in sequence inside the housing (11a, 11b); at least one covering body (12) which is coupleable to the hollow body (10) in a mounting configuration wherein the covering body (12) closes at least in part the housing (11a, 11b).

IPC 8 full level
H01R 4/48 (2006.01); **H01R 13/436** (2006.01); **H01R 13/502** (2006.01); **H01R 9/24** (2006.01); **H01R 24/86** (2011.01)

CPC (source: EP)
H01R 4/4821 (2023.08); **H01R 4/483** (2023.08); **H01R 4/484** (2023.08); **H01R 13/4367** (2013.01); **H01R 13/502** (2013.01); **H01R 9/2491** (2013.01); **H01R 24/86** (2013.01)

Citation (examination)
• WO 2018097806 A2 20180531 - TP ELEKTRIK MALZEMELERI SANAYI VE TICARET ANONIM SIRKETI [TR]
• DE 29707710 U1 19980625 - BALS ELEKTROTECHNIK GMBH & CO KG [DE]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2019175847 A1 20190919; EP 3766141 A1 20210120; EP 3766141 B1 20240626; IT 201800003702 A1 20190916

DOCDB simple family (application)
IB 2019052127 W 20190315; EP 19716574 A 20190315; IT 201800003702 A 20180316