

Title (en)
LEVER TYPE ELECTRICAL CONNECTOR

Title (de)
HEBELSTECKVERBINDER

Title (fr)
CONNECTEUR ÉLECTRIQUE DU TYPE À LEVIER

Publication
EP 2059979 A4 20100707 (EN)

Application
EP 07809405 A 20070608

Priority
• US 2007013519 W 20070608
• US 81194306 P 20060608

Abstract (en)
[origin: WO2007146130A2] A lever-type electrical connector assembly is provided that includes first and second electrical connectors having an actuating lever movably mounted thereon for movement between a release position with the connectors unmated and a lock position with the connectors mated. In one form, a blocking member is provided between the first connector and the actuating lever for holding the actuating lever in the release position. A second connector includes a release member for shifting the blocking member to allow the actuating lever to move from the release position to the lock position. In another form, the electrical connector assembly is configured to precisely maximize the mechanical advantage provided by the actuating lever by including a predetermined force transmitting engagement portion at which the lever actuator engages one of the connectors to transmit a concentrated, predetermined leveraged output force thereto upon pivoting of the lever from the release to the lock position.

IPC 8 full level
H01R 13/00 (2006.01)

CPC (source: EP)
H01R 13/62938 (2013.01); **H01R 13/62955** (2013.01); **H01R 13/639** (2013.01)

Citation (search report)
• [X] EP 1320150 A2 20030618 - TYCO ELECTRONICS CORP [US]
• [A] US 2002031928 A1 20020314 - GUNDERMANN JAMES E [US], et al
• [A] EP 1361631 A2 20031112 - TYCO ELECTRONICS CORP [US]
• See references of WO 2007146130A2

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
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CN 101501938 B 20120718; EP 2059979 A2 20090520; EP 2059979 A4 20100707; EP 2059979 B1 20121212

DOCDB simple family (application)
US 2007013519 W 20070608; CN 200780029244 A 20070608; EP 07809405 A 20070608