

Title (en)  
LEVER TYPE ELECTRICAL CONNECTOR

Title (de)  
HEBELSTECKVERBINDER

Title (fr)  
CONNECTEUR ÉLECTRIQUE DU TYPE À LEVIER

Publication  
**EP 2059979 A2 20090520 (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 13/629** (2006.01)

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

Cited by  
DE102017125860A1; US11336055B2; US11404824B2; WO2019086070A1

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

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**WO 2007146130 A2 20071221**; **WO 2007146130 A3 20080424**; **WO 2007146130 B1 20080612**; CN 101501938 A 20090805;  
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