

Title (en)  
VIBRATION RESISTANT ELECTRICAL CONNECTOR

Title (de)  
VIBRATIONSBESTÄNDIGER ELEKTRISCHER VERBINDER

Title (fr)  
CONNECTEUR ELECTRIQUE RESISTANT AUX VIBRATIONS

Publication  
**EP 1436861 B1 20120725 (EN)**

Application  
**EP 02797760 A 20020828**

Priority  
• US 0227317 W 20020828  
• US 94597001 A 20010904  
• US 22917102 A 20020828

Abstract (en)  
[origin: WO03021720A1] A quick disconnect electrical connector a male and female connector, each having opposite segments of flexible threads which inter-engage when the two connectors are assembled. The thread segments of the female connector are on a flexible wall which defect to permit engagement with the other connector. A peripheral rim is formed in the overmold (14) of the male connector and a mating groove is formed in the overmold (12) of the female connector to form a tactile indicator (7A) that the connection is complete and to secure the two mating connectors together.

IPC 8 full level  
**H01R 4/38** (2006.01); **H01R 13/639** (2006.01); **H01R 13/533** (2006.01); **H01R 13/627** (2006.01); **H01R 13/645** (2006.01)

CPC (source: EP)  
**H01R 13/6277** (2013.01); **H01R 13/6456** (2013.01)

Citation (examination)  
• US 4045055 A 19770830 - BLAKELY STEPHEN W  
• US 3635501 A 19720118 - THORNE-THOMSEN THOMAS

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**WO 03021720 A1 20030313**; CA 2459894 A1 20030313; CA 2459894 C 20080108; CN 100342588 C 20071010; CN 1582516 A 20050216; EP 1436861 A1 20040714; EP 1436861 A4 20060510; EP 1436861 B1 20120725; JP 2005502181 A 20050120

DOCDB simple family (application)  
**US 0227317 W 20020828**; CA 2459894 A 20020828; CN 02821943 A 20020828; EP 02797760 A 20020828; JP 2003525947 A 20020828