

Title (en)
Electrical zero insertion force connector

Title (de)
Elektrischer Nullkraftsteckverbinder

Title (fr)
Connecteur électrique à force d'insertion nulle

Publication
EP 1760837 A1 20070307 (DE)

Application
EP 06017935 A 20060829

Priority
DE 102005040952 A 20050830

Abstract (en)
A sleeve contact (2) and clamping sleeve are engaged such that the contact segments extending from the one of the sleeve contacts is engaged with housing (8). The connector connects the housings (1,8) by connecting with the plug inserted into the gap between the contact segments. Another connector disengages the housings such that the sleeve contact moves in the housing (8) away from the clamping sleeve until the clamping sleeve moves over the contact segments and presses the contact segments onto the plug. Independent claims are included for 2 further electrical zero insertion force connectors.

IPC 8 full level
H01R 13/193 (2006.01); **H01R 13/18** (2006.01)

CPC (source: EP US)
H01R 13/18 (2013.01 - EP US); **H01R 13/193** (2013.01 - EP US); **H01R 13/4365** (2013.01 - EP US)

Citation (search report)

- [Y] EP 0014511 A1 19800820 - ULRICH BOHDAN
- [Y] US 4023881 A 19770517 - MIGNEAU MAX JACQUES
- [A] US 4008939 A 19770222 - KINKAID ROBERT JOHN, et al

Cited by
DE102009036807A1; DE102012002145A1; WO2013113886A1; CN105572035A; CN110998983A; CN104272531A; DE102009036807A8; DE102009036807B4; WO2008104838A3; US8231409B2; US9160082B2; US10897099B2

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1760837 A1 20070307; **EP 1760837 B1 20080206**; AT E385616 T1 20080215; BR PI0603849 A 20070427; DE 102005040952 A1 20070308; DE 502006000331 D1 20080320; ES 2303301 T3 20080801; JP 2007066895 A 20070315; JP 4714109 B2 20110629; US 2007049088 A1 20070301; US 7232323 B2 20070619

DOCDB simple family (application)
EP 06017935 A 20060829; AT 06017935 T 20060829; BR PI0603849 A 20060830; DE 102005040952 A 20050830; DE 502006000331 T 20060829; ES 06017935 T 20060829; JP 2006228579 A 20060825; US 51182206 A 20060829