

Title (en)
BLIND MATE CAPACITIVELY COUPLED CONNECTOR

Title (de)
BLINDSTECKBARER KAPAZITIV GEKOPPELTER VERBINDER

Title (fr)
CONNECTEUR À COUPLAGE CAPACITIF À ASSEMBLAGE À L'AVEUGLE

Publication
EP 2777098 A4 20150805 (EN)

Application
EP 12847346 A 20121110

Priority

- US 201113294586 A 20111111
- US 201213571073 A 20120809
- US 201213644081 A 20121003
- US 201213673373 A 20121109
- US 2012064574 W 20121110

Abstract (en)
[origin: WO2013071206A1] A connector with a capacitively coupled connector interface for interconnection with a female portion is provided with an annular groove, with a sidewall, open to an interface end of the female portion. A male portion is provided with a male outer conductor coupling surface at an interface end, covered by an outer conductor dielectric spacer. The male portion is retained with a range of radial movement, with respect to a longitudinal axis of the male portion, by a bias web of a float plate. The male outer conductor coupling surface is dimensioned to seat, spaced apart from the sidewall by the outer conductor dielectric spacer, within the annular groove, when the male portion and the female portion are in an interlocked position.

IPC 8 full level
H01P 5/02 (2006.01); **H01R 9/05** (2006.01); **H01R 13/631** (2006.01); **H01R 24/38** (2011.01)

CPC (source: EP)
H01R 9/05 (2013.01); **H01R 24/38** (2013.01); **H01R 13/6315** (2013.01)

Citation (search report)

- [Y] US 5796315 A 19980818 - GORDON ROBERT B [US], et al
- [Y] EP 2065985 A2 20090603 - VIVANT MEDICAL INC [US]
- [A] US 2004082212 A1 20040429 - CANNON JAMES EDWARD [US]
- See references of WO 2013071206A1

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

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WO 2013071206 A1 20130516; CN 103843207 A 20140604; EP 2777098 A1 20140917; EP 2777098 A4 20150805; EP 2777098 B1 20170301

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