

Title (en)
CONNECTOR WITH CAPACITIVELY COUPLED CONNECTOR INTERFACE

Title (de)
VERBINDER MIT EINER KAPAZITIV GEKOPPELTEN VERBINDUNGSSCHNITTSTELLE

Title (fr)
CONNECTEUR AVEC INTERFACE DE CONNECTEUR À COUPLAGE CAPACITIF

Publication
EP 2777100 A4 20150715 (EN)

Application
EP 12848473 A 20121110

Priority

- US 201113294586 A 20111111
- US 201213571073 A 20120809
- US 201213644081 A 20121003
- US 201213673084 A 20121109
- US 2012064572 W 20121110

Abstract (en)
[origin: WO2013071204A1] 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 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, secured by a releasable retainer dimensioned to secure the male portion and the female portion in the interlocked position.

IPC 8 full level
H01R 24/38 (2011.01); **B23K 20/12** (2006.01); **H01R 4/02** (2006.01); **H01R 9/05** (2006.01); **H01R 43/02** (2006.01); **H01R 43/20** (2006.01); **H01R 13/625** (2006.01); **H01R 24/40** (2011.01); **H01R 101/00** (2006.01)

CPC (source: EP)
H01R 9/0521 (2013.01); **H01R 13/625** (2013.01); **H01R 24/40** (2013.01); **H01R 2101/00** (2013.01)

Citation (search report)

- [XYI] US 2003137372 A1 20030724 - FEHRENBACH JOSEF [DE], et al
- [X] US 4824400 A 19890425 - SPINNER GEORG [DE]
- [X] US 5938474 A 19990817 - NELSON JAMES W [US]
- [X] EP 2219267 A1 20100818 - ALCATEL LUCENT [FR]
- [Y] US 7351101 B1 20080401 - MONTENA NOAH [US]
- [Y] EP 0881713 A1 19981202 - AIR LB GMBH [DE]
- [Y] US 4235498 A 19801125 - SNYDER GENE L [US]
- See references of WO 2013071204A1

Designated contracting state (EPC)
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