

Title (en)

ORTHOGONAL-MODE JUNCTION COUPLER WITH AN ULTRABROAD OPERATING BANDWIDTH

Title (de)

ORTHOGONALMODUS-VERBINDUNGSKOPPLER MIT ULTRABREITER BETRIEBSBANDBREITE

Title (fr)

COUPLEUR À BANDE DE FONCTIONNEMENT ULTRA LARGE DE JONCTION À MODE ORTHOGONAL

Publication

**EP 2092592 B1 20181121 (FR)**

Application

**EP 07821498 A 20071018**

Priority

- EP 2007061133 W 20071018
- FR 0609333 A 20061024

Abstract (en)

[origin: FR2907601A1] The coupler has an outer conductor (8) with a cavity (9) in which a center connector (10) extends with the outer conductor, where the center conductor is electrically isolated with radio frequencies. The center conductor is supplied by feed lines (15-18) crossing the outer conductor and opening in the cavity of the outer conductor, where each feed line is connected to a branch (11) of the central connector by ohmic contact (23). The conductor has a hollow shaped transversal section and two orthogonal symmetric axes.

IPC 8 full level

**H01P 1/161** (2006.01); **H01P 7/04** (2006.01)

CPC (source: EP US)

**H01P 1/161** (2013.01 - EP US); **H01P 7/04** (2013.01 - EP US)

Citation (examination)

- US 6211750 B1 20010403 - GOULD HARRY J [US]
- JP H11168308 A 19990622 - NEC CORP
- US 2002163401 A1 20021107 - ZHANG HENRY Z [US]

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DOCDB simple family (publication)

**FR 2907601 A1 20080425; FR 2907601 B1 20091120**; EP 2092592 A1 20090826; EP 2092592 B1 20181121; ES 2711898 T3 20190508; US 2010033264 A1 20100211; US 8125295 B2 20120228; WO 2008049776 A1 20080502

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