

Title (en)
Broadband directional coupler

Title (de)
Breitbandrichtkoppler

Title (fr)
Coupleur directif large bande

Publication
EP 1863116 B1 20090121 (FR)

Application
EP 07109045 A 20070528

Priority
FR 0651948 A 20060530

Abstract (en)
[origin: EP1863116A1] The coupler has a distributed line structure (20), whose transmission line (11') conveys a main signal between terminal pairs (IN, DIR) of an end. A coupled line (12') coupled with the line (11') conveys a signal proportional to the main signal. A localized element structure (30) has two attenuators (31, 32) in series between a terminal (CPLD) of the coupler and a terminal pair (IPCLD) of the line (12'). A low-pass filter (35) is sandwiched between the attenuators and an attenuator (33) is sandwiched between a terminal (ISO) of the coupler and a terminal pair (IISO) of the line (12').

IPC 8 full level
H01P 5/18 (2006.01)

CPC (source: EP US)
H01P 5/186 (2013.01 - EP US)

Cited by
EP2362483A1; US8169277B2

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1863116 A1 20071205; EP 1863116 B1 20090121; DE 602007000501 D1 20090312; FR 2901919 A1 20071207; US 2007279147 A1 20071206; US 7671698 B2 20100302

DOCDB simple family (application)
EP 07109045 A 20070528; DE 602007000501 T 20070528; FR 0651948 A 20060530; US 80750707 A 20070529