

Title (en)
STRIPLINE DIRECTIONAL COUPLER HAVING A WIDE COUPLING GAP

Title (de)
RICHTKOPPLER IN STREIFENLEITERTECHNIK MIT BREITEM KOPPELSPALT

Title (fr)
COUPLEUR DIRECTIONNEL A ESPACE DE COUPLAGE IMPORTANT

Publication
EP 1702386 B1 20090805 (DE)

Application
EP 04804750 A 20041209

Priority
• EP 2004053377 W 20041209
• DE 10361834 A 20031230
• DE 102004021535 A 20040503

Abstract (en)
[origin: WO2005064740A1] The invention relates to a stripline directional coupler having two coupling lines that are galvanically separated with respect to a ground layer applied to a ground potential. Said coupler has an especially multilayer line structure comprising three metal layers separated by at least two dielectric insulating layers. A first metal layer presents the coupling line and a second of the at least three metal layer has a line structure that is galvanically separated from the at least two other metal layers. Said line structure forms minute series-connected capacitors between the at least three metal layers.

IPC 8 full level
H01P 5/18 (2006.01)

CPC (source: EP US)
H01P 5/185 (2013.01 - EP US); **H01P 5/187** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 2005064740 A1 20050714; EP 1702386 A1 20060920; EP 1702386 B1 20090805; JP 2007517442 A 20070628; JP 4197352 B2 20081217; US 2007296517 A1 20071227; US 7525397 B2 20090428

DOCDB simple family (application)
EP 2004053377 W 20041209; EP 04804750 A 20041209; JP 2006546153 A 20041209; US 58497104 A 20041209