

Title (en)
BROADBAND DIRECTIONAL COUPLER

Title (de)
BREITBANDRICHTKOPPLER

Title (fr)
COUPLEUR DIRECTIONNEL À LARGE BANDE

Publication
EP 2517300 B1 20160127 (DE)

Application
EP 10793148 A 20101124

Priority
• DE 102009060157 A 20091223
• DE 102010009227 A 20100225
• EP 2010007136 W 20101124

Abstract (en)
[origin: WO2011076328A1] The broadband directional coupler is used to measure the power of a forward and/or a return high frequency signal on a line. For said purpose the broadband directional coupler comprises a voltage divider, which is connected to an inner conductor (1) of the line. Said voltage divider comprises a first resistor (8), which is connected to an outer conductor of the line. The voltage divider consists of ohmic resistors and a first connection of a second resistor (4) is connected to the inner conductor (1) of the line and a second connection of the second resistor (4) is connected to a first connection of a third resistor (6). A second connection of the third resistor (6) is connected to a first connection of the first resistor (8) and at the same time is connected directly or indirectly to the outer conductor of the line. A voltage to be measured is tapped at the second connection of the second resistor (4) and at the first connection of the third resistor (6).

IPC 8 full level
H01P 5/18 (2006.01)

CPC (source: EP US)
H01P 5/183 (2013.01 - EP US)

Citation (examination)
US 2005264374 A1 20051201 - PODELL ALLEN F [US]

Designated contracting state (EPC)
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DOCDB simple family (publication)
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