

Title (en)
LOOP DIRECTIONAL COUPLER

Title (de)
SCHLEIFENRICHTKOPPLER

Title (fr)
COUPLEUR DIRECTIONNEL À BOUCLE

Publication
EP 2171793 B1 20101201 (DE)

Application
EP 08784853 A 20080717

Priority
• EP 2008005873 W 20080717
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Abstract (en)
[origin: US2010271150A1] A loop directional coupler having a first waveguide, particularly a hollow, planar, or a coaxial conductor in the form of a half loop antenna having first and second antenna branches for the contact-free extraction of an incoming signal "a" on a second waveguide and a returning signal "b" on the second waveguide. The first antenna branch is connected to a first input of a first network and the second antenna branch is connected to a second input of the first network, the first network having a first power splitter at the first input and a second power splitter at the second input for dividing the signal present at each antenna branch, the first network having a first adder adding the signals of the first and second power splitters to each other, and a first subtractor subtracting the signals of the first and second power splitters from each other.

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H01P 5/18 (2006.01)

CPC (source: EP US)
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