

Title (en)
BROAD-BAND DIRECTIONAL COUPLER FOR A MICROSTRIP LINE

Publication
EP 0201409 B1 19900905 (FR)

Application
EP 86400924 A 19860425

Priority
FR 8506422 A 19850426

Abstract (en)
[origin: ES8704293A1] A wide band directional coupler for microstrip lines has a microstrip line section whose conductive core is coupled to the core of the main line over a length $\lambda/4$ (λ being the wave length in a mid portion of the desired pass band). The section has a first fraction parallel to the main line and at a small distance therefrom so as to provide tight coupling and a second fraction diverging from the main line and closed on a matching impedance. The free end of the first fraction is connected to the load and has an extension projecting over a length less than $\lambda/16$ for forming a microcapacitor tapping energy from the main line.

IPC 1-7
H01P 5/18

IPC 8 full level
H01P 5/18 (2006.01)

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

Citation (examination)
J.DARRICAU:"Physique et théorie du radar",1ère édition,tome 1,chapitre 2,pages 64-68,SODIPE,Paris (FR)

Cited by
EP0298434A3; EP2705602B1

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EP 0201409 A1 19861217; EP 0201409 B1 19900905; AT E56313 T1 19900915; DE 3673863 D1 19901011; ES 554303 A0 19870401; ES 8704293 A1 19870401; FR 2581256 A1 19861031; FR 2581256 B1 19880408; US 4677399 A 19870630

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