

Title (en)

COUPLING DEVICE BETWEEN AN ELECTROMAGNETIC SURFACE WAVE TRANSMISSION LINE AND AN EXTERNAL MICROSTRIP TRANSMISSION LINE

Publication

EP 0223673 B1 19900808 (FR)

Application

EP 86402348 A 19861020

Priority

FR 8515880 A 19851025

Abstract (en)

[origin: US4733202A] A device for coupling between an electromagnetic surface wave device (OSEL), operating in a symmetrical field distribution mode and an external microstrip line operating in a disymmetric mode. Coupling between the access microstrip to the surface wave device and the external microstrip is provided by means of three line elements made from dielectric materials, held in position by three non magnetic metal parts, forming a transition between symmetric and disymmetric modes in steps: electromagnetic surface wave mode, a symmetric mode of the surface wave device, three plate mode, microstrip mode with reactance matching, disymmetric microstrip mode of the external microstrip line.

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H01P 5/08

IPC 8 full level

H01P 1/36 (2006.01); **H01P 5/08** (2006.01)

CPC (source: EP US)

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Cited by

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