

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.

IPC 1-7

**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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**EP 0223673 A1 19870527; EP 0223673 B1 19900808**; CA 1256518 A 19890627; DE 3673340 D1 19900913; ES 2016267 B3 19901101; FR 2589283 A1 19870430; FR 2589283 B1 19871120; JP S62102603 A 19870513; US 4733202 A 19880322

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**EP 86402348 A 19861020**; CA 521421 A 19861024; DE 3673340 T 19861020; ES 86402348 T 19861020; FR 8515880 A 19851025; JP 25210986 A 19861024; US 92142686 A 19861022