Publication
EP 0565943 A3 19940803

Application
EP 93105295 A 19930330

Priority
IT MI920913 A 19920415

Abstract (en)
[origin: EP0565943A2] A guide-microstrip transition including a decoupling filter on the power supply is described. The transition is used in hermetic active microwave modules (SSPA) with high packing. It comprises a glass bead coupling a microstrip of a MIC to a probe functioning as an antenna in a resonant cavity communicating with a wave guide. The probe also comprises a cylindrical conductor with very small diameter and electrical length equal to one-fourth wave length at a frequency of 20GHz connected to the centre of the armature of a discoid capacitor acting as a short-circuit for the RF. A connector is also connected to the centre of said armature and to a battery. The connector and the cylindrical conductor are aligned on the same axis of the glass bead. There is also described a triple amplification module obtained by using said transitions. <IMAGE>

IPC 1-7
H01P 5/107

IPC 8 full level
H01P 5/107 (2006.01)

CPC (source: EP)
H01P 5/107 (2013.01)

Citation (search report)
- [A] GB 1190496 A 19700506 - MARCONI CO LTD [GB]
- [A] US 4152666 A 19790501 - AKINAGA WAKOTO [JP], et al
- [A] FR 956487 A 19500202
- [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 81 (E - 488)<2528> 12 March 1987 (1987-03-12)

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US7053643B2; WO9601526A1

Designated contracting state (EPC)
DE ES FR GB GR IT NL SE

DOCDB simple family (publication)
EP 0565943 A2 19931020; **EP 0565943 A3 19940803**; **EP 0565943 B1 19971015**; DE 69314525 D1 19971120; DE 69314525 T2 19980319; ES 2108154 T3 19971216; GR 3025327 T3 19980227; IT 1254860 B 19951011; IT MI920913 A0 19920415; IT MI920913 A1 19931015

DOCDB simple family (application)
EP 93105295 A 19930330; DE 69314525 T 19930330; ES 93105295 T 19930330; GR 970402969 T 19971107; IT MI920913 A 19920415