(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 86306357.4

(51) Int. Cl.4: H01P 5/10

2 Date of filing: 18.08.86

3 Priority: 31.08.85 GB 8521727

43 Date of publication of application:11.03.87 Bulletin 87/11

Designated Contracting States:
 AT BE CH DE FR IT LI LU NL SE

Date of deferred publication of the search report:
07.09.88 Bulletin 88/36

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Balun circuits.

A Balun circuit for an integrated circuit having a small area and constructed using known semi-conductor fabrication processes. The balun circuit comprises two metallic strips (3,5) on a dielectric substrate (1) the strips (3,5) being substantially parallel to one another with a gap (7) there between and the second strip (5) having a length (21) to be equal to a quarter wavelength of the input signal, the values of the gap and strip widths (13,19) being predetermined such that the output impedances of the first and second metallic strips (3,5) respectively are substantially equal.

EP 0 213 864 A3

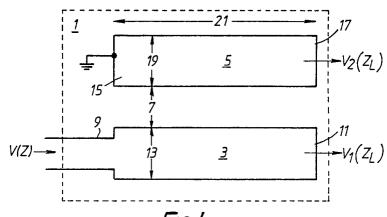


FIG. 1.



EUROPEAN SEARCH REPORT

86 30 6357

Category	Citation of document with of relevant	n indication, where appropriate, passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
Х	US-A-3 991 390 (F		1,3,4	H 01 P 5/10
X	EP-A-0 146 086 (POLSKA AKADEMIA) * Page 9, lines 10-13; page 10, lines 7-13; page 13, lines 10-14,24-28; page 15, lines 4-15; figures 1,5-6 *		1,3-7	
Υ			2	
X	and Publishers Ltd	September 1984, crowave Exhibitions I, Tunbridge Wells, EWSKI et al.: "The crip for MICs and	1,3-9	
	US-A-3 848 198 (R.E. DE BRECHT et al.) * Figure 8 * US-A-3 721 912 (G.F. ROSS)		2	TECHNICAL FIREDS
			1-9	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
	* Figures 6,7 *			H 01 P
	The present search report has	been drawn up for all claims		
-	Place of search HAGUE	Date of completion of the sear 27–05–1988	ch	Examiner EL R.M.L.

EPO FORM 1503 03.82 (P0401)

X: particularly relevant if taken alone
Y: particularly relevant if combined with another document of the same category
A: technological background
O: non-written disclosure
P: intermediate document

E: earlier patent document, but published on, or after the filing date

D: document cited in the application

L: document cited for other reasons

& : member of the same patent family, corresponding document