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Telecomunicazioni S.p.A.
Via Guglielmo Reiss Romoli, 274
I-10148 Turin(IT)**(72) Inventor: **Carle, Pierluigi
Via Rosselli, 2
Rivoli, Torino(IT)**(74) Representative: **Riederer Freiherr von Paar zu
Schönau, Anton et al
Lederer, Keller & Riederer, Freyung 615,
Postfach 26 64
W-8300 Landshut(DE)**(54) **Right-Angle junction for rectangular waveguides.**

(57) A right-angle junction for rectangular waveguides, obtained by the 90° coupling of two rectilinear rectangular waveguides of equal cross-sectional dimensions, which comprises two steps arranged symmetrically with respect to the coupling

plane between two waveguides, with two dimensions equal to the dimensions of the guides and suitable thickness, and further possible symmetrical pairs of steps of length equal to about a guide quarter-wave at the centre frequency.

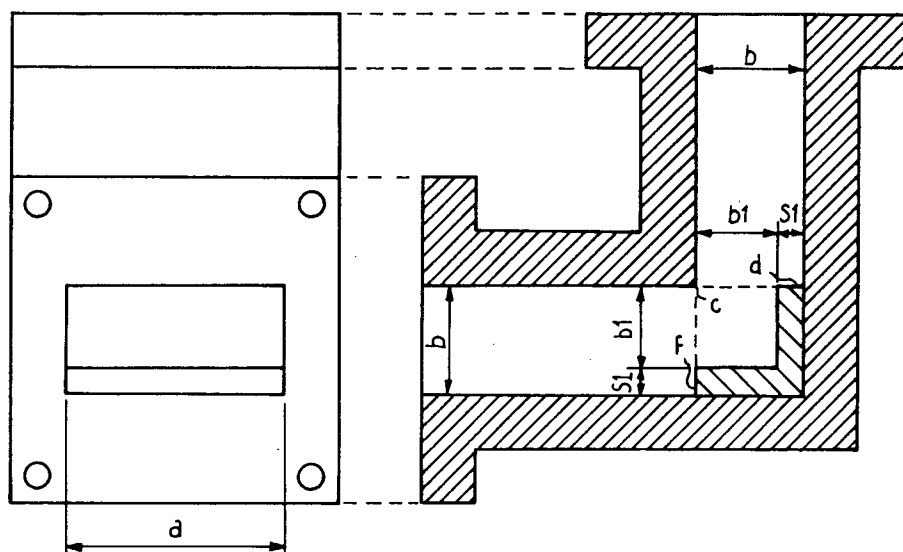


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number

EP 90 12 1660

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	EP-A-0 319 629 (THOMSON-CSF) * column 2, line 29 - column 3, line 14 * * column 3, line 56 - column 4, line 2; figures 1,6 *	1,2	H01P1/02
Y	---	3	
Y	IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. vol. 26, no. 5, May 1978, NEW YORK US pages 326 - 332; K.R.GOUDEY ET AL.: 'High power X-band monopulse tracking feed for the Lincoln Laboratory long-range imaging radar' * page 329, left column, line 2 - line 22; figure 7 *	3	
X	GB-A-1 018 173 (MICROWAVE ASSOC. INC.) * page 2, line 92 - line 129; figures 2,3 *	1,2	
A	EP-A-0 284 911 (SIEMENS AG) * column 2, line 17 - column 3, line 34; figures 1,2 *	1-3	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
A	BE-A-637 186 (NV PHILIPS' GLOEILAMPENFABRIEKEN) * page 2, line 27 - page 3, line 3 * * page 4, line 11 - page 5, line 5; figures 1,2 *	1,2	H01P
A	US-A-2 904 759 (MORGAN) * column 8, line 42 - line 68; figure 5 *	1,2	
E	EP-A-0 418 630 (SIEMENS AG) * column 2, line 10 - line 38; figure 1 *	1,2	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 08 JANUARY 1992	Examiner DEN OTTER A.M.
CATEGORY OF CITED DOCUMENTS 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 T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application I : document cited for other reasons & : member of the same patent family, corresponding document			