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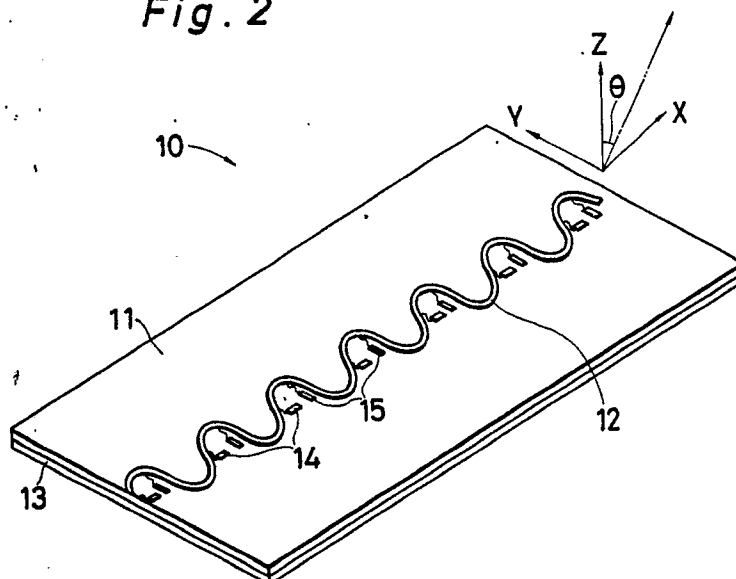
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54 **Phase control microstripline antenna.**

57 A phase control microstripline antenna (10, 10a, 10e, 10f) comprises a dielectric substrate (11), singular or plural strip conductors being bent periodically and a ground conductor (13). A single or a plurality of resonance elements (14, 15, 20, 21, 32, 38, 42, 49, 50, 53) for being supplied with electric

current from a predetermined position of singular or plural strip conductors (12, 30, 31, 40, 41) in every period of the strip conductors (12, 30, 31, 40, 41) are disposed to control phase of electric wave being radiated from the strip conductors (12, 30, 31, 40, 41).

Fig. 2





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.4)
X	MICROWAVE JOURNAL, vol. 30, no. 4, April 1984, pages 87,88,90,94,96; LALEZARI et al.: "mm-wave microstrip antennas" * Page 88; figures 2,6 *	1	H 01 Q 13/20 H 01 Q 21/06 H 01 Q 1/38
X	PATENT ABSTRACTS OF JAPAN, vol. 4, no. 189 (E-39)[671], 25th December 1980; & JP-A-55 132 107 (NIPPON) 14-10-1980 * The whole document *	6	
A	PATENT ABSTRACTS OF JAPAN, vol. 10, no. 145 (E-407)[2202], 28th May 1986; & JP-A-61 7707 (NIHON MUSEN) 14-01-1986 * The whole document *	1,2	
A	FR-A-2 301 110 (THE SECRETARY OF STATE FOR DEFENCE) * Page 7, line 26 - page 8, line 2; figure 8 *	1,4	
A	GB-A-2 064 877 (THE SECRETARY OF STATE FOR DEFENCE) * Page 2, especially figure 5 *	6,7	TECHNICAL FIELDS SEARCHED (Int. Cl.4) H 01 Q
A	DE-A-3 149 200 (MAKIMOTO et al.) * Claims 1-7; figures *	1,5	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26-03-1990	Examiner ANGRABEIT F.F.K.
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 L : document cited for other reasons & : member of the same patent family, corresponding document			