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54 Lens/polarizer/radome.

57 To modify the antenna pattern of an existing array antenna (12), a unitary assembly made up of a dielectric lens (13) of appropriate shape, a horizontal polarization filter (17), a circular polarizer (19) and absorbing material (21,23,24) are disposed to cover the aperture of the existing array antenna (12). A quarter-wave matching element (15) is provided on the transmission faces of the lens (13). The circular polarizer (19) is made of five layers of dielectric material, each layer being provided with a directional pattern of metallic meander lines (19a, 19b, 19c, 19d, 19e).

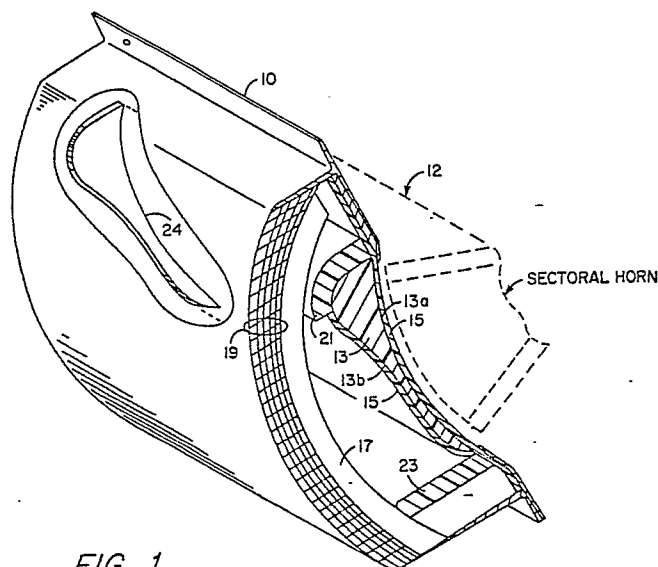


FIG. 1



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	EP-A-0 131 328 (PHILIPS) * Page 3, line 12 - page 5, line 11; claims 1,3,4; figures 1,2 *	1	H 01 Q 15/24 H 01 Q 17/00 H 01 Q 19/06 H 01 Q 1/42
Y	---	2	
Y	FR-A-2 373 891 (GENERAL DYNAMICS) * Page 5, lines 17-24; figure 1 *	2	
A	---	3	
A	US-A-4 342 034 (MONSER) * Abstract; figures 1-4 *	3	
P,A	---	1	
P,A	EP-A-0 280 379 (SUGIO et al.) * Abstract; figures 9D,10,11,15,23 and 29 *	1	
A	---	1	
A	US-A-3 611 392 (KNOX) * Column 2, lines 48-54; column 3, lines 1-9; figure 2 *	1	
A	---	3	
A	EP-A-0 044 502 (SIEMENS) * Abstract; figures 1-3 *	3	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			H 01 Q
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 01-02-1990	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	