



(11) Publication number:

0 330 303 A3

(12)

EUROPEAN PATENT APPLICATION

21) Application number: 89300460.6

(51) Int. Cl.⁵: **H01Q** 13/24, H01Q 13/28

22) Date of filing: 18.01.89

(30) Priority: 24.02.88 GB 8804242

Date of publication of application: 30,08.89 Bulletin 89/35

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

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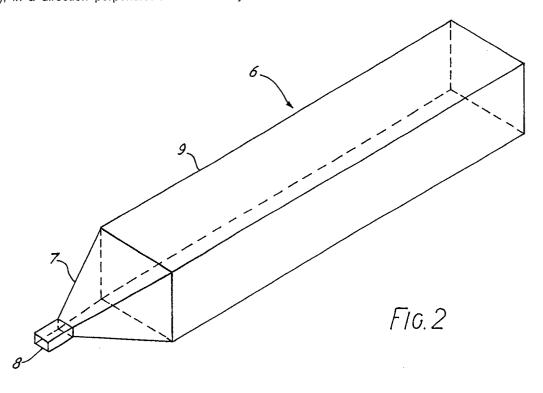
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(54) End fire aerial.

(57) An end-fire aerial (6) includes a broadside aerial array (7), for example a horn antenna. A block (9) of dielectric foam material extends outwards from the array (7), in a direction perpendicular to the array.

The block (9) is designed to be of such dimensions, and of a suitably low dielectric constant such that it produces an end-fire gain.





EUROPEAN SEARCH REPORT

EP 89 30 0460

Category	Citation of document with in- of relevant pas		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
Y	US-A-3435458 (LEWIS)		1, 2	H01Q13/24
	* abstract; figure 1 *			H01Q13/28
	* column 2, lines 62 - 6	55 *		
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Y	Proceedings of the IEE		1, 2	
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	pages 1353 - 1358; James		į	
	"Gain enhancement of mid	crowave antennas by		
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A	US-A-2425336 (MUELLER)		1, 4-7	
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				TECHNICAL FIELDS SEARCHED (Int. Cl.4)
				SEARCHED (III. C. 4)
				H01Q
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	The present search report has b	een drawn up for all claims		
	Place of search	Date of completion of the searci	, ' 	Examiner
	BERLIN	06 MARCH 1991	DAN	IELIDIS S.
	CATEGORY OF CITED DOCUME	NTS T: theory or pr	inciple underlying th	e Invention
Y · no	rticularly relevant if taken alone	E: earlier pate after the fil	nt document, but pui Ing date	blished on, or
Y:pa	rticularly relevant if combined with an	other D : document of	ited in the application	
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O: no	on-written disclosure termediate document	& : member of document	the same patent fam	ny, corresponding