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# **EUROPEAN PATENT APPLICATION**

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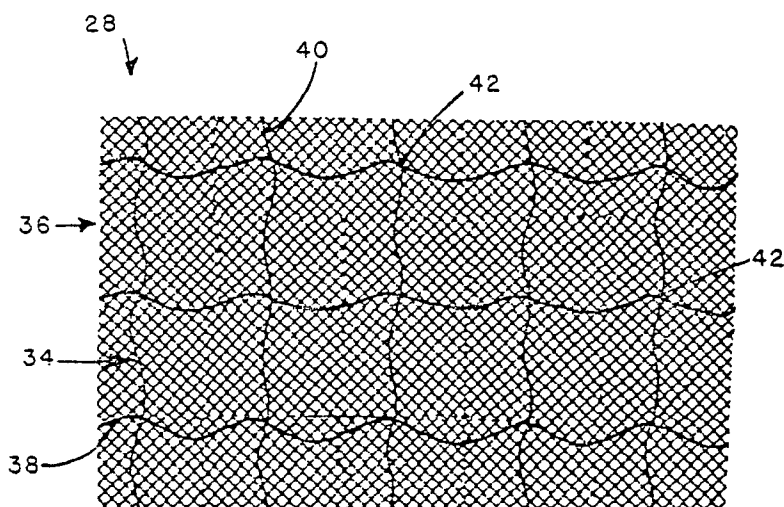
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54 **Hybrid mesh and rf reflector embodying the mesh.**

57 A hybrid microwave reflective mesh (28) and an antenna reflector having an RF reflecting surface composed of the mesh. The hybrid mesh includes a supporting mesh (34) of any conveniently fabricatable mesh size, which may be substantially larger than the RF wavelengths to be reflected, and a relatively fine, compliant, electrically conductive mesh fabric (36) overlying and secured to the supporting mesh and having a mesh gauge sized to reflect the desired RF wavelengths.



**FIG. 3**



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	MICROWAVES, March 1974, page 14; S.V. BEARSE: "Knitted antenna solving knotty problems" * Medium column, section "Second mesh shapes reflector" * ---	1,7	H 01 Q 15/16
Y	---	2,5,6, 11,12	
X	ZEITSCHRIFT FÜR FLUGWISSENSCHAFTEN UND WELTRAUMFORSCHUNG, vol 4, no. 5, September/October 1980, pages 255-267, Köln, DE; W. SCHÄFER: "Stand der Technik auf dem Gebiet grösserer entfaltbarer Parabolantennen-Strukturen für Raumfluggeräte" * Pages 259,260, section: a) Doppelnetzreflektor dr Harris Corp." * ---	1,7	
Y	IDEM	2,5,6, 11,12	
Y	US-A-4 074 731 (ARCHER) * Abstract; figures 1-4 * ---	2,5,6, 11,12	TECHNICAL FIELDS SEARCHED (Int. Cl.4)  H 01 Q
A	US-A-4 609 923 (BOAN et al.) * Abstract; column 2, lines 3-31; figure 2 * ---	1,3,5,9	
A	FR-A-2 587 548 (MESSERSCHMITT-BÖLKOW-BOLHM) * Page 7, line 26 - page 8, line 22; figures 1,2a,b * --- -/-	1,7	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11-12-1989	Examiner ANGRABEIT F.F.K.
<b>CATEGORY OF CITED DOCUMENTS</b> 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			



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)
A	PATENT ABSTRACTS OF JAPAN, vol. 10, no. 309 (E-447)[2365], 21st October 1986; & JP-A-61 123 205 (NIPPON TELEGR. & TELEPH. CORP.<NTT>) 11-06-1986 * Whole document * -----	1,7	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
The present search report has been drawn up for all claims			
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