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EUROPEAN PATENT APPLICATION

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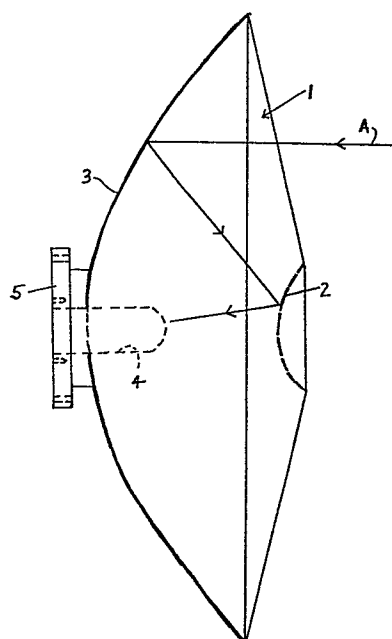
⑧④ Designated Contracting States: **CH DE FR GB IT LI SE**

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⑤④ **An antenna, particularly for the reception of satellite communications.**

⑤⑦ A groundstation antenna comprises a body (1) of a foamed plastics material having on a rear parabolic surface a metallised coating (3) providing a main reflecting surface. A front surface of the body (1) has on a hyperbolic surface a metallised coating (2) providing a sub-reflector. A feed horn is received within a rear recess (4) in the body (1). The main reflector and the sub-reflector are thus accurately located with respect to one another and protected from the weather. In an alternative embodiment (Figure 7), two casing members are joined at their outer peripheries to form an antenna of enclosed, hollow shell-like form.





European Patent
Office

EUROPEAN SEARCH REPORT

0084420
Application number

EP 83 30 0106

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. 3)
Y	US-A-3 296 685 (M. SULITEANU) * Figures 1,9,12; column 1, lines 39-51; column 3, lines 29-37; column 4, lines 20-66 *	1,3,5,7,8	H 01 Q 19/19 H 01 Q 15/14
Y	--- ELECTRICAL DESIGN NEWS, no. 12, October 1965, pages 6-7, Cahners, Denver, USA "Between feed and reflector: plastic" * Whole document *	1-3,5,7,8	
A	--- US-A-3 374 482 (L.L. KIELMAN) * Whole document *	1,3-6,8	
A	--- US-A-3 430 244 (H.E. BARTLETT et al.) * Figure 7 *	1	TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
A	--- DE-A-2 842 298 (SIEMENS) * Whole document *	1	H 01 Q
A	--- GB-A-1 531 242 (THE POST OFFICE)		
A	--- GB-A-1 100 391 (P. MALIFAUD) -----		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26-04-1983	Examiner CHAIX DE LAVARENE C.
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	