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(54) **Spacecraft antenna system.**

(57) A spacecraft antenna system has feed means, preferably two separate feeds (6,7), a single shaped main reflector (3) and at least two, preferably two, shaped sub-reflectors (4,5) which are operable simultaneously to provide coverage to or from more than one coverage area. One sub-reflector (4,5) thus covers one specific coverage area.

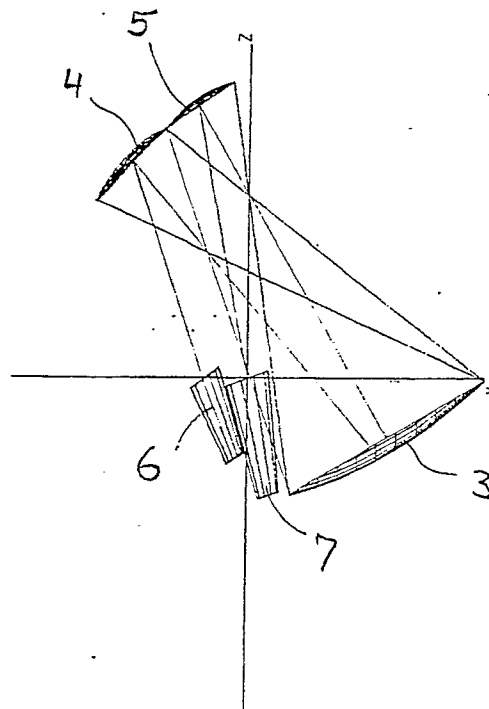


Fig 1

EP 0 346 105 A3



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EUROPEAN SEARCH REPORT

Application Number

EP 89 30 5766

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.5)
Y	US-A-4 591 866 (Y. MIZUGUCHI et al.) * figure 4; abstract * -- --	1,2	H 01 Q 19/19
D,Y	EP-A-0 219 321 (BRITISH AEROSPACE) * claim 1 * -- --	1,2	
A	GB-A-2 098 806 (KOKUSAI DENSHIN DENWA) * figure 7 * -- --		
A	US-A-4 298 877 (C.J. SLETTEN) * figure 1; abstract * -- -- -- --		
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H 01 Q
The present search report has been drawn up for all claims			
Place of search Berlin		Date of completion of search 28 March 91	Examiner BREUSING J
<div><div>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</div><div>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</div></div>			