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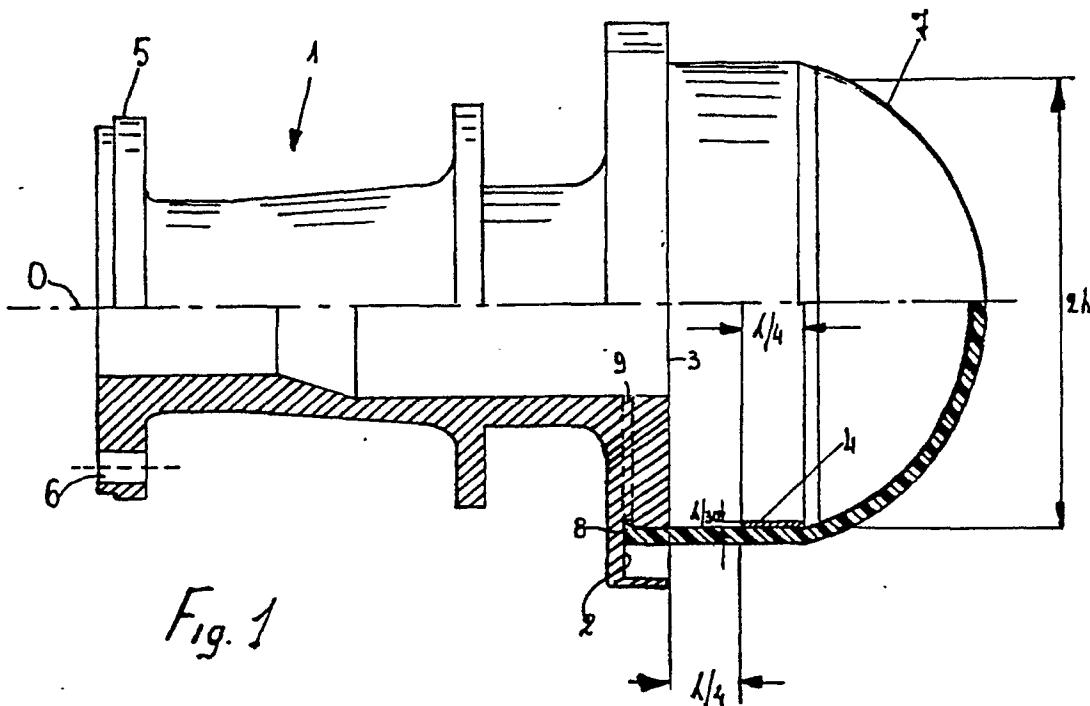
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(54) **Horn antenna.**

(57) The horn illuminator for reflector antennas with rectangular radiation pattern is provided with a ring (4) of electrically conductive material coaxially placed before the horn mouth (3) a distance of $\lambda/4$

therefrom and in a plane parallel to that of said mouth (3). The electrically conductive ring (4) is supported by a cap of polytetrafluoroethylene material acting as a protection therefor.



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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	DE-A-2 607 809 (DEUTSCHE BUNDESPOST) * figure 16, page 6, lines 14-18: page 8, column 3 * ---	1,2	H 01 Q 13/06
A	FR-A-2 097 132 (N.V. HOLLANDSE SIGNAALAPPARATEN) * figure 1, page 2, lines 10-15 * ---	5	
A	US-A-3 624 655 * whole * -----		
TECHNICAL FIELDS SEARCHED (Int. Cl.4)			
H 01 Q H 01 P			
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
BERLIN	14-06-1990	DANIELIDIS S	
CATEGORY OF CITED DOCUMENTS		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	
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			