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(54) **Frequency variable aperture reflector**

(57) A frequency variable aperture reflector (18) for working in a first and second frequency band, wherein the first frequency band is higher than the second frequency, includes a radiating element having an active surface (20) and a frequency selective surface (22). The active surface (20) is a contiguous surface capable of reflecting both the first and second frequency bands. The frequency selective surface (22) surrounds the active surface (20) and only reflects the second frequency band (Fig. 2).

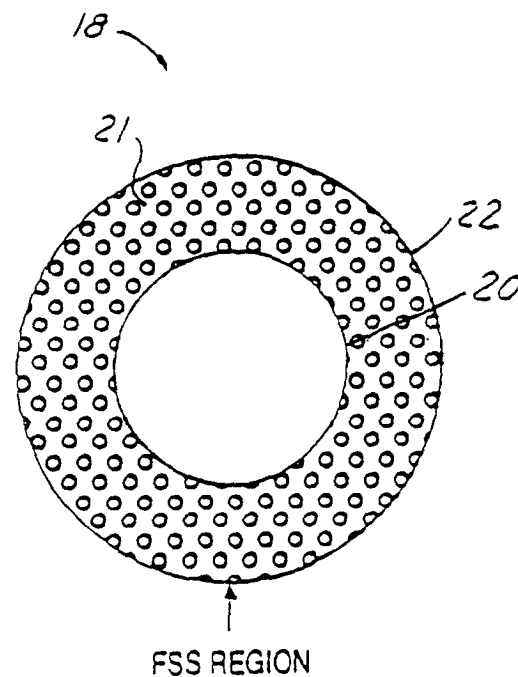


FIG. 2



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
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A		1-5	TECHNICAL FIELDS SEARCHED (Int.Cl.7) H01Q
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 17 November 2003	Examiner Fredj, A
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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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