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EUROPEAN PATENT APPLICATION

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⑤④ **Buoyant antenna.**

⑤⑦ A buoyant antenna comprises a slot (10) formed by the edge opening in a single turn roll-resonator of metal clad plastic dielectric sheet material (11), the slot being substantially one free-space wavelength long at the operating frequency and short circuited at each end (12). Varactor diodes (13) are connected across the slot. Low frequency modulation of the varactor diode bias effects tuning of the antenna. The roll-resonator is encased in a jacket of foam dielectric (20). A pilot signal can be injected, via the varactor feed lines.



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EUROPEAN SEARCH REPORT

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EP 85 30 6628

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)
Y, D	<p>IEE INTERNATIONAL CONFERENCE ON ANTENNAS AND PROPAGATION, CONFERENCE PUBLICATION, no. 195, 1981, pages 442-446, The Institution of Electrical Engineers, London, GB; J.C. LEE: "A slender resonator-slot UHF antenna"</p> <p>* Figures 1,2; page 442, left-hand column, line 1 - page 443, left-hand column, line 34; page 444, left-hand column, lines 1-49 *</p>	1-3	<p>H 01 Q 13/10</p> <p>H 01 Q 1/34</p>
Y	<p>--- PATENT ABSTRACTS OF JAPAN, vol. 7, no. 107 (E-174)[1252], 11th May 1983; & JP-A-58 29 204 (NIPPON DENSHIN DENWA KOSHA) 21-02-1983 -----</p>	1-3	<p>TECHNICAL FIELDS SEARCHED (Int. Cl. 4)</p> <p>H 01 Q</p>
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14-07-1987	Examiner CANNARD J.M.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			