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(54) Acoustic transducer.

(57) An acoustic transducer 1 comprises a piezoelectric material 4 having a linear shape and which is arranged in the form of a flat spiral within a body 2 of encapsulant material. The piezoelectric material may be a polyvinylidene fluoride coaxial cable and this thus can allow the construction of a high performance planar hydrophone at relatively low cost.

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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)
X	PATENT ABSTRACTS OF JAPAN, vol. 10, no. 137 (E-405)[2194], 21st May 1986; & JP-A-60 264 200 (SHIMADA RIKA KOGYO K.K.) 27-12-1985 * Abstract * ---	1,2,6,7	H 04 R 17/00 B 06 B 1/06
A	EP-A-0 174 897 (NGK SPARK PLUG CO.) * Abstract; figure 3 * ---	3	
A	GB-A- 701 962 (ZENITH RADIO) * Page 4, line 126 - page 5, line 10; figure 13 *	1	
A	FR-A-2 119 482 (KIEVSKY ORDENA LENINA) * Claims 1-4 * -----	1	
TECHNICAL FIELDS SEARCHED (Int. Cl.4)			
B 06 B G 01 V			

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	07-02-1989	HAASBROEK J.N.
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		