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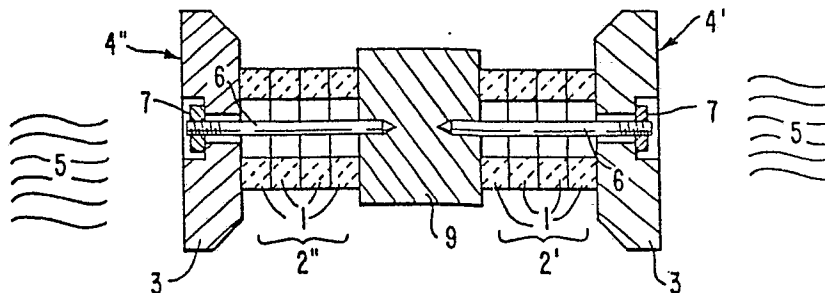
Double piston acoustic transducer with selectable directivity.

(57)

A direction selective transducer which includes a center mass (9) fixed between two active transducer element stacks (2) and two head masses (3). The center mass couples the two stacks (2) and allows the ratio of radiation produced by each

head mass to be selected as desired by varying the amplitude and phase of drive voltages applied to the stacks. The transducer can also be used as a directional receiver.

FIG. 3a.





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EUROPEAN SEARCH REPORT

0209238

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EP 86 30 4398

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	FR-A-2 302 656 (ETAT FRANCAIS) * Page 4, line 6 - page 5, line 11; figures 1,3 *	7,11	H 04 R 17/10 B 06 B 1/06
A	---	1-4,10	
A,D	US-A-3 309 654 (H.B. MILLER) -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 06 B H 04 R
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 05-12-1988	Examiner ANDERSON A.TH.
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			