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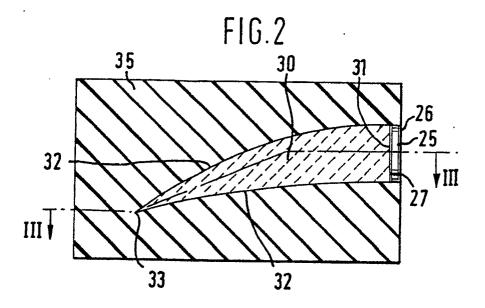
Date of deferred publication of the search report: 03.07.91 Bulletin 91/27 Applicant: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. Carel van Bylandtlaan 30 NL-2596 HR Den Haag(NL)

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- Acoustic transducer backing in the shape of a Wood's horn.
- The unwanted acoustic energy from the back side of an acoustic transducer (25) is fully absorbed in a Wood's Horn styled acoustic energy trap (30) embedded in an acoustically absorbing material

(35). Also, the impedance of the transducer (25) and backing (30) can be exactly matched, thereby increasing the frequency bandwidth.





EUROPEAN SEARCH REPORT

EP 89 20 1068

DOCUMENTS CONSIDERED TO BE RELEVANT					
ategory		h indication, where appropriate, vant passages		elevant o claim	CLASSIFICATION OF THE APPLICATION (Int. CI.5)
Х	US-A-3 403 271 (LOBDEL * Column 2, lines 8-14,58-7	•	1	4,5,7,8, ,11	G 10 K 11/00 G 10 K 11/02
Х	GB-A-8 695 82 (CHIRANA PRAHA) * Page 2, lines 62-84; figure 2 *		1,4	4,8,10,	G TO IV TIVOL
X	IEEE TRANS. ON SONICS 26, no. 2, March 1979, page SWARTZ et al.: "An improv piezoelectric transducers" * Page 140, column 1, lines	es 140-142, New York, US ed wedge-type backing fo	; R.G. 10	1,7,8, ,11	
X	- GB-A-7 050 80 (MARCON * Page 1, lines 39-81; figure 		1	4,10,11	
					TECHNICAL FIELDS SEARCHED (Int. Cl.5)
					G 10 K B 06 B G 01 N
	The present search report has t	een drawn up for all claims			
	Place of search	Date of completion of search		Examiner	
 	The Hague 21 March 91			ANDERSON A.TH.	
Y: A: O: P:	CATEGORY OF CITED DOCL particularly relevant if taken alone particularly relevant if combined wit document of the same catagory technological background non-written disclosure intermediate document theory or principle underlying the in	h another	the filing of D: document L: document	late cited in th cited for o	ther reasons