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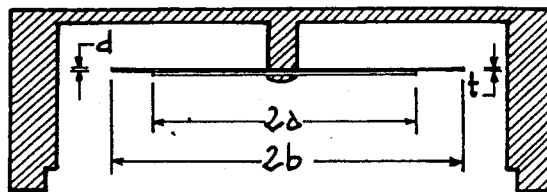
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NL PT SE**(88) Date of deferred publication of the search report:
18.01.95 Bulletin 95/03(71) Applicant: **IMAPO S.r.l.**
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I-00184 Roma (IT)(54) **Piezomembrane constrained in the center and its employment to provide an acoustic howler.**

(57) A piezoelectric transducer device with a piezomembrane coupled, by means of a central pin, to a loading plate, which in turn is constrained on its external circumference, is employed to provide an acoustic howler in which the loading plate is integral part of the howler casing.

*Fig. 1***EP 0 582 557 A3**



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EUROPEAN SEARCH REPORT

Application Number
EP 93 83 0348

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.5)
X	DE-A-30 29 067 (BOLTA-WERKE GMBH) * page 7, line 1 - page 8, line 2; figures 1,2 *	1-3	G10K9/12 B06B1/06

A	JEE JOURNAL OF ELECTRONIC ENGINEERING, vol.25, no.260, August 1988, TOKYO JP pages 62 - 66 H.NISHIYAMA & K.KAGA 'Piezoelectric sound components used in a broad range of applications' * page 62, column 2, line 1 - page 63, column 2, line 5; figures 3,4 *	4	

A	EP-A-0 053 947 (MATSUSHITA ELECTRIC INDUSTRIAL CO.) * abstract; figure 3 *	5	

			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
			G10K B06B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23 November 1994	Examiner Haasbroek, J
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			