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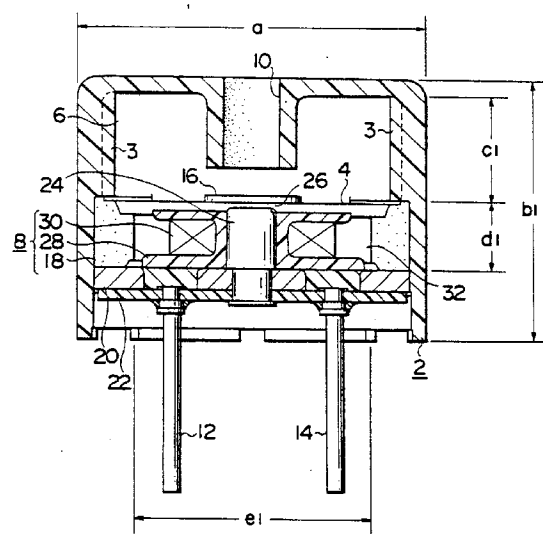
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54) Method of compensating for a change in sound pressure characteristic with temperature of an electroacoustic transducer.

(57) The invention provides a method of compensating for a change in sound pressure characteristic with temperature of an electroacoustic transducer utilizing the tendency of resonance frequencies (f_0) and (f_v) to vary with temperature. The method according to the invention is, in an electroacoustic transducer comprising a diaphragm (4) disposed within a casing (2), a resonance chamber (6) provided on the front side of the diaphragm (4), a driving source (8) provided on the back side of the diaphragm (4), the diaphragm (4) being vibrated by the driving source (8) to produce a sound to be emitted through the resonance chamber (6), characterized in that the resonance frequency (f_v) of the resonance chamber (6) is set lower ($f_v < f_0$) than the resonance frequency (f_0) of the diaphragm (4). According to the invention, with the resonance frequency of the resonance chamber (6) set lower than the resonance frequency of the diaphragm (4), a magnetic driving force of the driving source (8) is increased at high temperatures to compensate for a decrease in sound pressure while it is decreased at low temperatures to compensate for an increase in sound pressure, thereby compensating for a change in sound pressure characteristic with temperature.

FIG. 2





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 93 30 4780

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)
A	GB-A-2 041 616 (IBUKI KOGYO CO. LTD.) * page 2, column 1, line 36 - page 2, column 1, line 45 * -----	1	G10K9/18
			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
			G10K
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27 June 1994	Examiner Anderson, A
<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>			

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