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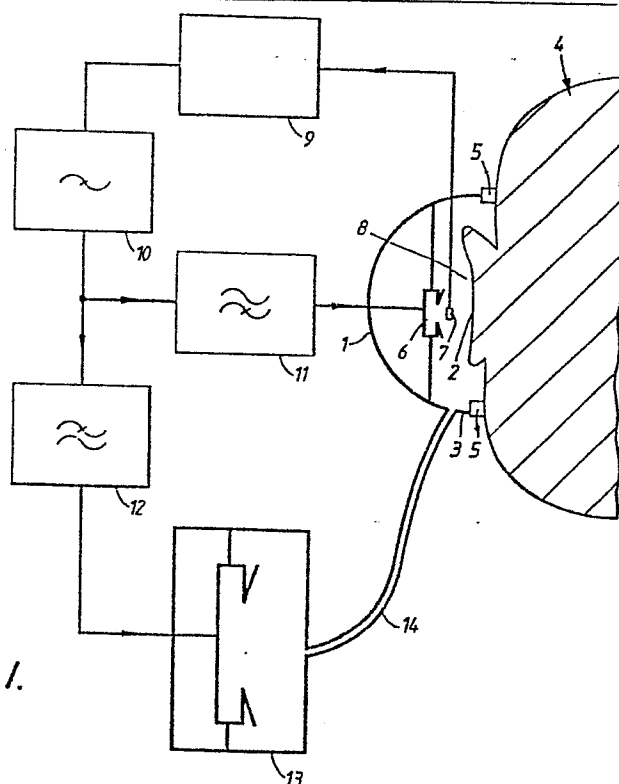
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54 Improvements relating to noise reduction arrangements.

57 An active noise reduction arrangement which comprises at least one ear defender or earphone structure (1) which embodies a small noise pick-up microphone (7) and associated noise-cancelling transducer (6), in which a front cavity (8) defined between the structure (1) and the ear (2) of its wearer when the arrangement is in use is coupled to a further cavity and/or a source (13) of low frequency noise-cancellation signals by means of low-pass acoustic filter means (14).



*Fig. 1.*



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# EUROPEAN SEARCH REPORT

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EP 86 30 0791

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)
Y	DE-A-2 925 134 (SENNHEISER ELECTRONIC) * Claims 1-7 *	1-3	G 10 K 11/16 A 61 F 11/02
Y	DE-A-1 903 794 (INSTRUMENT SYSTEMS) * Page 1, line 9 - page 2, line 13 *	1-3	
A,P	DE-A-3 411 494 (M. PEEVERS et al.) * Abstract *	1,4	
A	FR-A-2 398 425 (G. HEHEMANN) * Claims 1,3; figure 6 *	5	
A	DE-A-2 601 661 (BATTELLE-INSTITUT)		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			G 10 K A 61 F 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 28-01-1987	Examiner HAASBROEK J.N.
<p><b>CATEGORY OF CITED DOCUMENTS</b></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 &amp; : member of the same patent family, corresponding document</p>			