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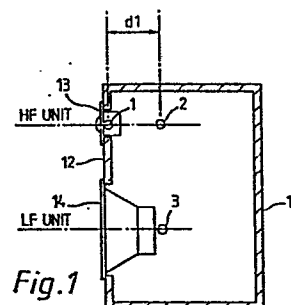
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54 Acoustic transducers.

57 A loudspeaker includes a high frequency transducer 13 and a low frequency transducer 14 mounted on a vertical baffle 12 forming the front of a cabinet 11, and having respective virtual acoustic sources 1 and 3. Each unit receives an amplified signal through an electrical filter to constitute a passive system, and a delay network is included in the path of the amplified signal to the high frequency unit 13 so as to introduce a delay such that the effective virtual source of the unit is displaced a distance d_1 to the right so as to lie in the same vertical plane as the virtual source 3. The acoustic radiation from the two units thus appears to emanate from points in space situated in the same vertical plane, thereby avoiding time delay and phase distortions over the reproduced frequency band.





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EUROPEAN SEARCH REPORT

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Application number

EP 83 30 0679

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. ³)
X	FR-A-2 378 418 (THE RANK ORGANISATION LTD.) * whole document *	1, 2, 4 5	H 04 R 1/26 H 04 R 3/14
Y		6	
X	--- JOURNAL OF THE AUDIO ENGINEERING SOCIETY, vol. 28, no. 9, September 1980, pages 601-611, New York, US; D.G. FINK: "Time offset and crossover design" * whole document *	1, 3, 4	
Y	--- US-A-4 181 819 (K. CAMMACK) * column 3, line 54 - column 4, line 33; figure 3 *	6	
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
			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 24-09-1984	Examiner MINNOYE G.W.
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			