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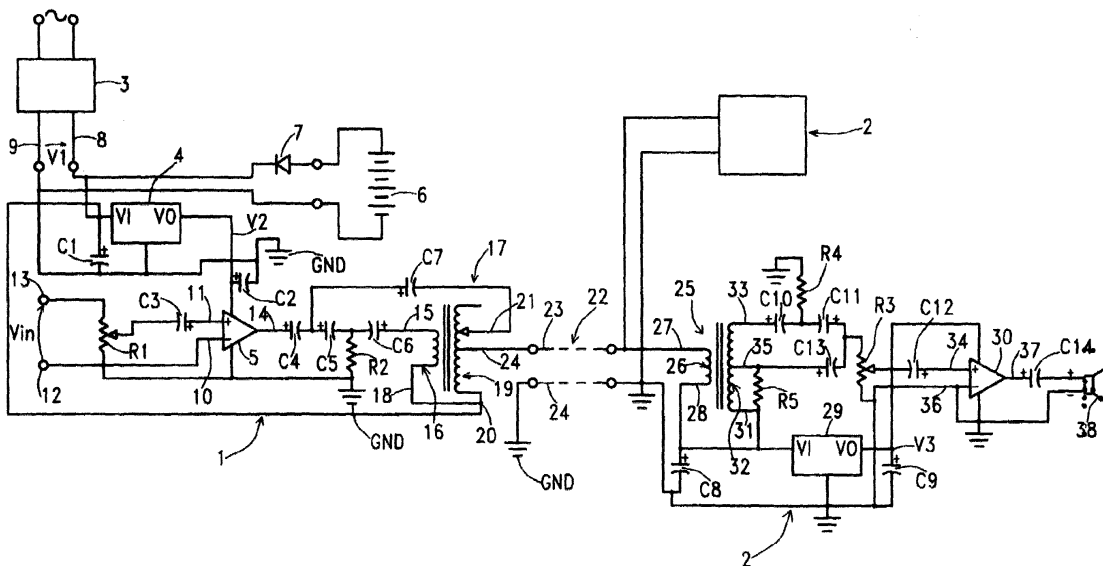
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(54) **A system of sound diffusion, particularly for large spaces**

(57) A system of sound diffusion comprises a device (1) for the central amplification of a source signal (V_{in}) for generating an amplified signal, at least one device (2) for transducing the amplified signal into a sound signal and a respective line (22) with two wires (23, 24) for the transmission of the amplified signal from the central amplification device (1) to the transducer device (2). The transducer device (2) comprises local amplification means (30) for amplifying the amplified signal received from the central amplification device for driving a loudspeaker (38). The central amplification device (1) comprises first magnetic-induction coupling means (17) for

the coupling of the amplified signal to the transmission line (22) and generating means (3) for generating a direct-current voltage (V_1) supplied to the transmission line (22) so that on the transmission line (22) there is present a signal variable over time induced by the amplified signal superimposed over the direct-current voltage (V_1). The transducer device (2) comprises second magnetic-induction coupling means (25) for separating the signal variable over time present on the transmission line (22) from the direct-current voltage (V_1), the latter supplying the local amplification means (30) and the signal variable over time being amplified by the local amplification means (30) for driving the loudspeaker (38).





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EUROPEAN SEARCH REPORT

Application Number
EP 96 20 3376

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H04R H03F H02M H04M H03H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 7 May 2001	Examiner Zanti, P
CATEGORY OF CITED DOCUMENTS		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	
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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 96 20 3376

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82