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(54) Combination loudspeaker unit

(57) A loudspeaker unit comprises, in combination, a pistonically driven diaphragm loudspeaker and a generally planar resonant panel loudspeaker, in which the plane of the resonant panel lies in the same orientation as an axis along which the diaphragm is pistonically driven. The resonant panel loudspeaker may be located be-

hind the diaphragm loudspeaker, with the resonant panel loudspeaker functioning as a diffuse dipole, e.g. to generate surround sound reproduction, and the diaphragm loudspeaker located in the null of the dipole and functioning as an acoustic monopole, e.g. to generate imaged stereophonic sound reproduction.

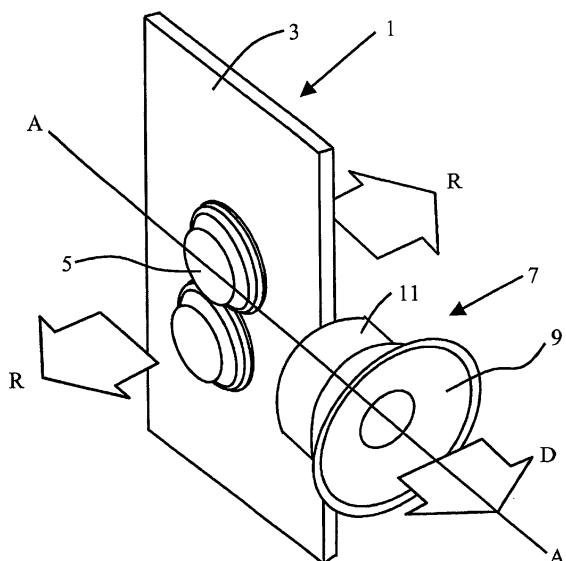


Figure 1



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EUROPEAN SEARCH REPORT

Application Number
EP 03 25 5099

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The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
MUNICH	8 June 2004	Peirs, K	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone	T : theory or principle underlying the invention		
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