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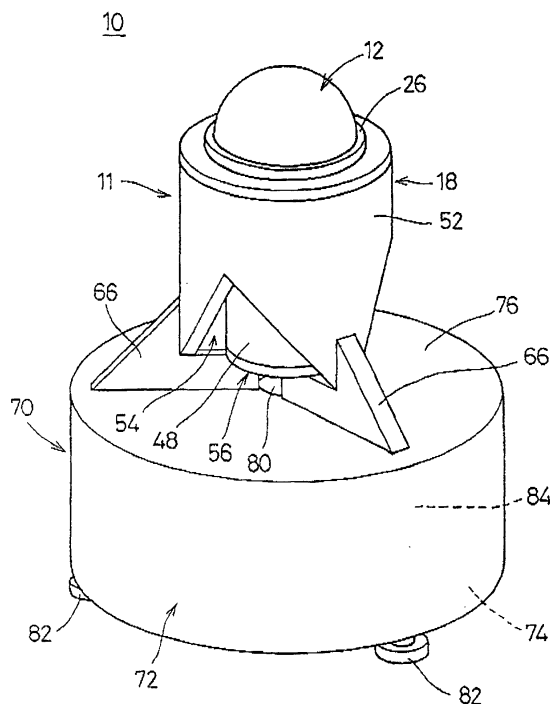
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(54) **Multi-speaker apparatus**

(57) A multi-speaker apparatus (10) generates and transmits sound waves in all directions toward and away from a surface upon which the apparatus is installed or mounted. The multi-speaker apparatus includes a middle/high frequency sound range speaker (11) and a low frequency sound range speaker (70). The middle/high frequency sound range speaker and the low frequency sound range speaker are arranged relative to each other such that center axes thereof are aligned with an axis that is substantially perpendicular the surface upon which the apparatus is installed or mounted. A horn (18) and a cabinet (72) are arranged such that sounds generated from the middle/high frequency sound range speaker and the low frequency sound range speaker are emitted in all directions both toward and away from the surface upon which the apparatus is supported or mounted.

FIG. 1



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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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Y	* page 1 - page 4; figures 1-4 *	3,5, 8-12,14, 16	
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 27 January 2005	Examiner Baumann, M
<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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**ANNEX TO THE EUROPEAN SEARCH REPORT
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