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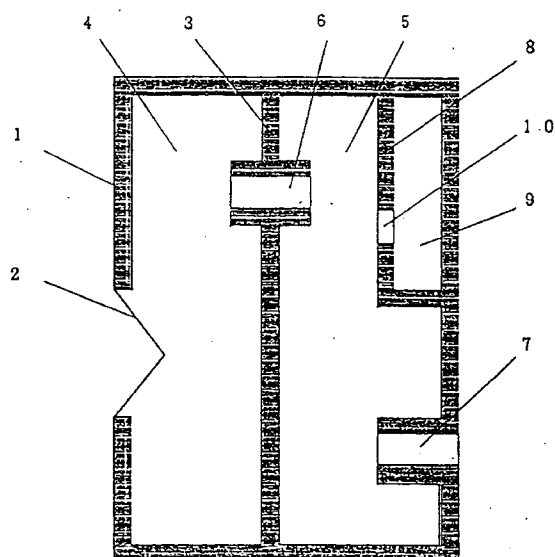
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(54) **Loudspeaker system.**

(57) A dip-free plane flat pressure level-frequency characteristic is realized by a cascade bass-reflex loudspeaker system provided with a port-containing partition or partitions in a speaker cabinet to divide a space inside thereof into two internal acoustically connected spaces by establishing in either internal space a Helmholtz resonator possessing the same resonant frequency as a second antiresonant frequency to absorb a negative-phase sound radiated from the port to the outside of the cabinet, thereby eliminating a dip in the sound pressure-level frequency characteristic due to the second antiresonance unique to a cascade bass-reflex loudspeaker system.



1: Cabinet
 2: Speaker unit
 3: Partition
 4: First space
 5: Second space
 6: First port
 7: Second port
 8: Second partition
 9: Third space
 10: Hole

Fig. 1



European Patent
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EUROPEAN SEARCH REPORT

Application Number

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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.5)
D, Y	PATENT ABSTRACTS OF JAPAN vol. 14, no. 9 (E-870) 10 January 1989 & JP-A-1 254 097 (YAMAHA) 11 October 1989 * abstract *	1, 2	H04R1/28
Y	US-A-2 368 639 (CARTER) * column 1, line 52 - column 2, line 10; figure 3 *	1, 2	
A	EP-A-0 361 445 (YAMAHA) * page 7, line 32 - line 35; figure 3A * * figures 4B, 5B *	1, 3	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H04R
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15 SEPTEMBER 1992	Examiner ZANTI P. V. L.
<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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