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(54) **Loudspeaker.**

(57) A loudspeaker includes a diaphragm, a bobbin, a voice coil and a magnetic circuit. The diaphragm is formed of one of materials selected from paper, high molecular materials, metallic materials and cellulose. The bobbin is connected to the diaphragm and formed of cellulose produced by bacterial cultivation. The voice coil is wound on the bobbin. The magnetic circuit has a yoke, a plate and a permanent magnet and is arranged facing the voice coil. The loudspeaker has satisfactory acoustic properties and high fidelity in sound reproduction.

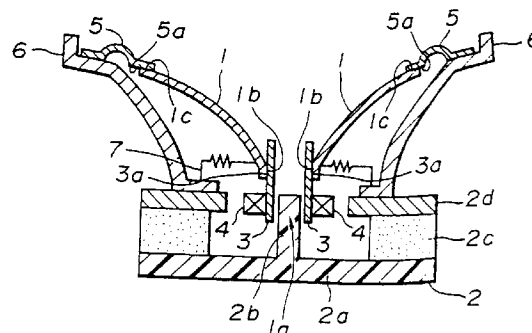


FIG.1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 94300426.7
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	<u>EP - A - 0 457 474</u> (SONY) * Description; claim 8 * --	1	H 04 R 9/04 H 04 R 7/00
A	<u>EP - A - 0 256 743</u> (MATSUSHITA) * Fig. 1 * --	1	
A	<u>DE - A - 3 416 674</u> (N.V. PHILIPS) * Fig. 1 * --	1	
A	<u>DE - A - 2 933 630</u> (SONY) * Description * ----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H 04 R 7/00 H 04 R 9/00 H 04 R 31/00
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 11-11-1994	Examiner ZUGAREK
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			

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