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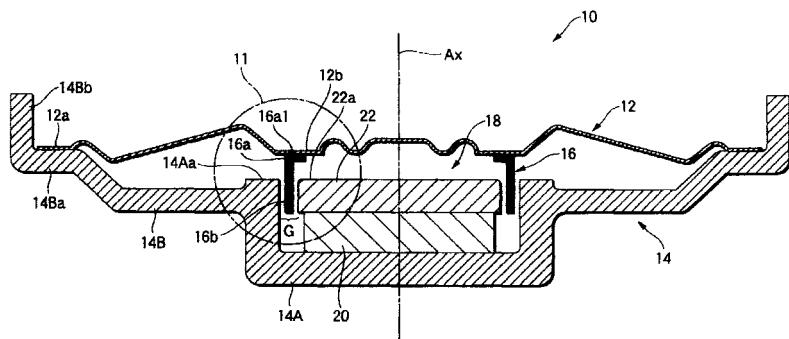
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(54) Speaker

(57) By forming a flange portion 16a1 protruding inward in the radial direction at an upper end portion 16a of a voice coil 16, a coiling sectional shape of the voice coil 16 is set to a L-shape. And, the upper end portion 16a of this voice coil 16 is bonded and fixed to a central flat portion 12b of a diaphragm 12. Hereby, by only increasing slightly the weight of the usual voice coil having an I-shaped coiling section, the large bonding area can

be obtained between the voice coil 16 and the diaphragm 12, so that separation of the voice coil 16 can be prevented. Further, since other portions of the voice coil 16 than the upper end portion 16a thereof have the usual coil thickness, it is not necessary to expand the width of a cylindrical magnetic gap G in a magnetic circuit unit 18, whereby it is prevented that electroacoustic conversion efficiency of a speaker 10 lowers.

FIG.1





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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim			
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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			
THE HAGUE	6 November 2002	Fülöp, I			
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 C : non-written disclosure P : intermediate document					
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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