

Title (en)

Speaker surround structure for maximizing cone diameter

Title (de)

Lautsprechereinfassungsstruktur zur Maximierung des Konusdurchmessers

Title (fr)

Structure d'entourage de haut-parleur permettant de maximiser le diamètre de cône

Publication

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Application

EP 10012998 A 20020118

Priority

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- US 78383701 A 20010119

Abstract (en)

[origin: WO02058433A1] In a compact speaker, to enable the deployment of a diaphragm (14) of larger diameter than is used conventionally for the corresponding basket (10) size, the outer basket-attachment portion of the surround-suspension (12) is made in a special configuration shaped as an axial skirt (16a), i.e. generally tubular in the case of a round speaker basket, instead of the planar shape of the basket-attachment portion of conventionally speakers. The speaker basket (10) of the present invention is made with a corresponding axial peripheral flange of which the inner wall made to serve as a landing (20) for adhesive attachment to the outer wall of the axial surround suspension flange. This special configuration retains the required resilience and capability of full excursion while enabling enlargement of the effective vibrating piston area substantially by deployment of a larger cone. The basket may be of the type that is stamped from metal, e.g. as in popular conventional speakers, or in other embodiments it may be cast from metal or molded from suitable plastic material. The outer attachment member of this surround-suspension is preferably configured in a special cross-sectional shape that maximizes the area available for adhesive attachment to the basket.

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CPC (source: EP KR)

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