

Title (en)

Movable-coil electrodynamic transducer with a diaphragm.

Title (de)

Elektrodynamischen Schwingspul-Wandler mit einem Membran.

Title (fr)

Transducteur électrodynamique à bobine mobile avec un membrane.

Publication

EP 0397621 B1 19950920 (EN)

Application

EP 90830200 A 19900508

Priority

IT 2046089 A 19890511

Abstract (en)

[origin: EP0397621A2] The present invention relates to a diaphragm for an electro-acoustical transducer, of the movable-coil electrodynamic type, for transforming electrical signals into acoustical signals and diffusing the electrical signals, characterized in that the diaphragm comprises a single-piece blade member, made of a metal material of very low density and very good heat conductivity and mechanical characteristics. The metal blade is resiliently suspended on the perimeter thereof, is metally coupled to the unit of which it forms a portion, and supports the acoustical current wire fixed at the center of mass thereof to the active metal surface. The acoustical current conductor wire communicates to the blade the heat which is produced by the acoustical current, which is added to that generated in the blade mainly because of the deformation of the resilient suspension. This generated heat is quickly absorbed by the metal blade and efficiently dissipated by irradiating it into the encompassing air and by conduction through the adjacent masses, thereby holding the temperature under a danger level.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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JP S5830297 A 19830222 - MATSUSHITA ELECTRIC IND CO LTD

Cited by

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