

Title (en)
ELECTRODYNAMIC ACOUSTIC TRANSDUCER

Title (de)
ELEKTRODYNAMISCHER AKUSTISCHER WANDLER

Title (fr)
TRANSDUCTEUR ACOUSTIQUE ELECTRODYNAMIQUE

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Application
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Abstract (en)
[origin: US7426281B2] The invention relates to an acoustic transducer generating a sound radiation by compression and expansion of an air mass situated between a mobile membrane and a fixed surface or between two mobile membranes. The present invention concerns a transducer or acoustic loudspeaker of electrodynamic type designed to emit sound waves from a modulated electrical signal. The particular arrangement of the constituent elements of the transducer as presented in the invention enables the generation of an acoustic radiation by compression and expansion of the air mass located between a mobile membrane and a fixed surface or anvil which are distinguished by being placed opposite one another. The direction of the resulting acoustical wave is perpendicular to the direction of displacement of the membrane. This manner of generating an acoustic wave enables the production of transducers with specific electroacoustic directivity characteristics.

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