

Title (en)
ACOUSTIC CHAMBER WITH REDUCED HISS

Title (de)
AKUSTISCHE KAMMER MIT REDUZIERTEM ZISCHEN

Title (fr)
ENCEINTE ACOUSTIQUE À SIFFLEMENT RÉDUIT

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Application
EP 18727311 A 20180530

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Abstract (en)
[origin: WO2018220054A1] The invention relates to an acoustic chamber having: - a box structure (3) forming a first edge (24) defining an opening (26), - at least one loudspeaker having at least one diaphragm (50) that is configured to emit sound waves and extends through the opening, the diaphragm being movable in translation with respect to the box structure along an axis (D) of the loudspeaker about an equilibrium position that is taken up when the loudspeaker is at rest, the diaphragm being configured to oscillate in normal operation between a maximum outward position and a maximum inward position that define between one another a maximum axial displacement (E) of the diaphragm, the diaphragm defining a second peripheral edge (64) situated radially opposite the first edge at least in the rest position, the first edge and the second edge being separated radially by a distance (J), the first edge and the second edge having a first thickness (E1) and a second thickness (E2), respectively, along the axis (D), the first thickness and the second thickness defining a sum (E1+E2). The sum (E1+E2) divided by the maximum axial displacement (E) is less than 1/5th, preferably less than 1/8th, and even more preferably less than 1/12th.

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