

Title (en)

MEMBRANE SYSTEM WITH FLEXION-RESISTANT ROTATIONALLY SYMMETRIC PLATE FOR USE AS A SOUND REFLECTING OR RECEIVING ELEMENT

Publication

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Application

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Abstract (en)

[origin: WO8800423A1] Membrane system with flexion resistant rotationally symmetric plate for use as a sound reflecting or receiving element for an acoustic transducer and applications of the membrane system. The task is to avoid essentially acoustic distortion. The wall thickness (K) measured in an axial direction (1) along the plate should increase with raising values of a radial coordinate oriented towards the edge ($r = R_0$), first up to beyond the half ($R_0/2$) plate radius then decrease again, whereby the shape of the raising and falling curve of the wall thickness (K) along the radial coordinate (R) is constant up to a fixing area on the edge ($R = R_0$) or tends to approximate to a constant progression. This membrane system can be used for all types of loud-speakers, and particularly also for compression chamber system.

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