

Title (en)  
LOUDSPEAKER

Title (de)  
LAUTSPRECHER

Title (fr)  
HAUT-PARLEUR

Publication  
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Application  
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Abstract (en)  
[origin: WO2004019652A2] The invention relates to a loudspeaker comprising a membrane, a first excitation device (14) for producing structure-borne noise in the membrane (12), and a second excitation device (16) which is different to the first and is used to displace the membrane (12) in a longitudinal oscillating movement perpendicularly to the membrane expansion direction. According to the invention, the problem of the too weak bass tone reproduction or of the quantity opposing the invisible integration or installation is solved by introducing a second excitation system which moves the membrane (12), or the plate used as a membrane, back and forth in a uniform manner, in addition to the bending oscillations of the structure-borne noise. Sound reproduction is thus rendered possible over the entire acoustic frequency range, without hindering the aim of invisible integration or installation.

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