

Title (en)  
FLAT SURFACE LOUDSPEAKER AND METHOD FOR OPERATING THE SAME

Title (de)  
FLÄCHENLAUTSPRECHER UND VERFAHREN ZU DESSEN BETRIEB

Title (fr)  
HAUT-PARLEUR PLAN ET SON PROCEDE DE PRODUCTION

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Application  
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Abstract (en)  
[origin: WO0064217A1] The invention relates to a method for operating a flat surface loudspeaker (1). According to the method, at least one moving coil (3, 4) is applied to a platform-shaped surface (2) with predetermined material properties. Said surface is excited to vibration by the at least one moving coil, which is electrically excited by a source of sound (7). The acoustic frequency response of the flat surface loudspeaker is measured and the inverse frequency curve to its frequency curve is determined. This inverse frequency curve is simulated in a filtering device (8) as its transfer function. The filtering device is connected between the sound source (7) and the flat surface loudspeaker (1) in the operating arrangement, so that the frequency response of the flat surface speaker is compensated based on its transfer function. The compensation of the frequency response of the flat surface loudspeaker improves its transfer properties even to hi-fi standards.

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