

Title (en)

METHOD OF OPERATING A LOUDSPEAKER, LOUDSPEAKER AND ARRANGEMENT FOR NOISE COMPENSATION

Title (de)

VERFAHREN ZUM BETREIBEN EINER LAUTSPRECHEREINRICHTUNG, LAUTSPRECHEREINRICHTUNG SOWIE VORRICHTUNG ZUR LÄRMKOMPENSATION

Title (fr)

PROCÉDÉE DE COMMANDE D'UN HAUT-PARLEUR, HAUT-PARLEUR ET DISPOSITIF AVEC COMPENSATION ACTIVE DU BRUIT

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Abstract (en)

[origin: WO2013139445A2] The invention relates to a method for operating a loudspeaker device (1) with at least one loudspeaker (2), wherein at least one actual membrane state parameter of a membrane (3) of the loudspeaker (2) is detected by a detecting device (15, 16). In the method, an actual membrane state of the membrane, comprising the actual membrane state parameters actual membrane position (xist), actual membrane speed (vist) and actual membrane acceleration (aist), is determined from the at least one detected actual membrane state parameter (Xist, aist) and is directly used to determine an actuation signal (U(t)) that is applied to the voice coil (7) of the loudspeaker (2), said voice coil being operatively connected to the membrane (3). The invention further relates to a loudspeaker device (1) and a device for noise compensation.

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