Title (en)
METHOD AND DEVICE FOR DIAGNOSING THE OPERATING STATE OF A SOUND SYSTEM

Title (de)
FEHLERDIAGNOSEVORRICHTUNG UND -METHODE FÜR EIN BESCHALLUNGSSYSTEM

Title (fr)
PROCEDE ET DISPOSITIF DE DIAGNOSTIC DE L'ETAT DE FONCTIONNEMENT D'UN SYSTEME DE SONORISATION

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Application
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Abstract (en)
[origin: WO2008006952A2] The invention relates to a method of diagnosing the operating state, in situ, of a sound system comprising at least one loudspeaker suitable for being connected to an audio player and arranged in an at least partially closed space, characterized in that it comprises the following steps:- broadcasting (32) of acoustic waves representative of a test signal (St(t)) by each loudspeaker into said space; - acquisition (34) of a digital response signal (Sr(t)) representative of the acoustic waves broadcast; - determination (52, 53, 54) of energy distribution coefficients representative of the energy distribution of said digital response signal (Sr(t)) per frequency band; and - comparison (58, 60) of said energy distribution coefficients with predetermined threshold ranges so as to diagnose the operating state of each loudspeaker. The invention also relates to a diagnostic device suitable for carrying out the above method.

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