

Title (en)

METHOD AND MEASURING DEVICE FOR MONITORING LOUDSPEAKER SYSTEMS

Title (de)

VERFAHREN UND MESSEINRICHTUNG ZUR ÜBERWACHUNG VON BESCHALLUNGSANLAGEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE MESURE POUR LE CONTRÔLE DE SYSTÈMES DE SONORISATION

Publication

**EP 2070388 B1 20180523 (DE)**

Application

**EP 07800194 A 20070927**

Priority

- AT 2007000454 W 20070927
- AT 16182006 A 20060928

Abstract (en)

[origin: WO2008036992A2] Disclosed are a method and a device for monitoring loudspeaker lines. In said method, a least one alternating current signal having a predefined frequency is fed to a loudspeaker line, the voltage and current are measured, and the input impedance on the line is determined therefrom and is compared with a reference value. In order to determine an impedance that is to be compared with a reference value ( $Z_{\text{Ref}}$ ) in a measurement process, a plurality of analogue measured voltage and current values are converted into digital signals which are subjected to Fourier transformation, a corresponding plurality of impedance values are determined from the Fourier-transformed current and voltage values, said impedance values are averaged, and the obtained mean value is compared with a reference impedance value. An error signal is output if the obtained mean value deviates from the reference impedance value by a defined tolerance value.

IPC 8 full level

**H04R 29/00** (2006.01); **H04R 27/00** (2006.01)

CPC (source: EP)

**H04R 29/007** (2013.01)

Citation (examination)

US 3855415 A 19741217 - FOX R, et al

Cited by

CN114223218A; US2022337965A1; US12003927B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**WO 2008036992 A2 20080403; WO 2008036992 A3 20081030**; AT 504297 A1 20080415; AT 504297 B1 20091115; EP 2070388 A2 20090617; EP 2070388 B1 20180523

DOCDB simple family (application)

**AT 2007000454 W 20070927**; AT 16182006 A 20060928; EP 07800194 A 20070927