

Title (en)

Method and system for reproducing audio frequencies.

Title (de)

Verfahren und System zur Wiedergabe von Audiofrequenzen.

Title (fr)

Méthode et système pour la reproduction de fréquences audio.

Publication

EP 0567061 A1 19931027 (EN)

Application

EP 93106371 A 19930420

Priority

FI 921817 A 19920423

Abstract (en)

The present invention relates to a method and a system for reproducing audio frequencies in a sound reproduction system, comprising at least one loudspeaker (5) mounted in a loudspeaker cabinet and in which the frequency response (1) of the loudspeaker is equalized with a filter (4). Prior to feeding a signal into a wideband one-way loudspeaker (5) reproducing frequencies substantially over the entire audio range, the output of said loudspeaker being an audio signal, the frequency response (1) of the loudspeaker mounted to its cabinet is equalized with a filter (4), which is a wideband filter (4) also covering substantially the entire audio range. With the filter an approximate inverse response (2) is implemented in the desired passband of the loudspeaker system comprising said loudspeaker mounted to its cabinet, the inverse response being formed according to a frequency response of said loudspeaker system, which frequency response is a measured frequency response of said loudspeaker system. If desired, the measured frequency response can be averaged in the frequency domain and the inverse response is then formed from this averaged frequency response. <IMAGE>

IPC 1-7

H04R 3/04

IPC 8 full level

H04R 3/04 (2006.01); **H04R 29/00** (2006.01)

CPC (source: EP)

H04R 3/04 (2013.01); **H04R 29/001** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0567061 A1 19931027; FI 921817 A0 19920423; FI 921817 A 19931024

DOCDB simple family (application)

EP 93106371 A 19930420; FI 921817 A 19920423