

Title (en)

Method and apparatus for controlling the performance of a loudspeaker in a room

Title (de)

Verfahren und Vorrichtung zur Leistungsregelung eines Lautsprechers in einem Raum

Title (fr)

Procédé et appareil pour contrôler la performance d'un haut-parleur dans une salle

Publication

**EP 0772374 B1 20081008 (EN)**

Application

**EP 96203005 A 19961029**

Priority

DK 112495 A 19951102

Abstract (en)

[origin: EP0772374A2] A method for controlling the performance of a loudspeaker in a room, by determining in a first acoustic environment suitable parameters defining a first complex transfer function based on a measurement of the resultant movement of a loudspeaker driver diaphragm and the associated force, arising from the sound field in the room, acting on it, and in a second acoustic environment the same or different parameters of a second complex transfer function by measuring the loudspeaker driver relating to the room. The ratio between the real parts of the first and second transfer functions is used to define the performance of a correcting filter, included in the signal chain to the loudspeaker driver.

IPC 8 full level

**H04R 3/00** (2006.01); **H04R 3/04** (2006.01); **H04R 29/00** (2006.01); **H04S 7/00** (2006.01)

CPC (source: EP)

**H04R 3/002** (2013.01); **H04R 3/04** (2013.01); **H04S 7/301** (2013.01); **H04R 29/001** (2013.01); **H04S 7/305** (2013.01)

Cited by

CN110402585A; EP3583783A4; US8144904B2; US9794707B2; WO2016083970A1; WO2009007322A3; WO2006116883A1; WO2012003894A1; US9734242B2; US9891881B2; US10127008B2; US10306364B2; US11995374B2; US8144883B2; US10284983B2; US11106423B2; US11106424B2; US8094826B2; US9781513B2; US10459684B2; US10853027B2; US11698770B2; US9766853B2; US9860670B1; US9928026B2; US10228898B2; US10448194B2; US11385858B2; US9690271B2; US10359987B2; US10365884B2; US10387102B2; US11132170B2; US11206484B2; US11429343B2; US11550536B2; US11635935B2; US10585639B2; US10613817B2; US11099808B2; US11294618B2; US11556305B2; US11803350B2; US9743207B1; US10063983B2; US10244314B2; US10299039B2; US10405117B2; US10841719B2; US11432089B2; US11800306B2; US9866447B2; US9960969B2; US10097423B2; US10127006B2; US10439896B2; US10541883B2; US10965545B2; US10979310B2; US11025509B2; US11265652B2; US11456928B2; US11650784B2; US11758327B2; US9977561B2; US10983750B2; US11467799B2; US11481182B2; US11907610B2; US9715367B2; US9756424B2; US9952825B2; US10028056B2; US10136218B2; US10306365B2; US10425733B1; US10448159B2; US10555082B2; US10599386B2; US10734965B1; US10966025B2; US11029917B2; US11082770B2; US11374547B2; US11540050B2; US11625219B2; US11728780B2; US9668049B2; US10003899B2; US10390161B2; US10735879B2; US11006232B2; US11184726B2; US11516612B2; US11894975B2; US11909588B2; US9367611B1; US9521489B2; US9749763B2; US9781533B2; US9778901B2; US9794710B1; US9910634B2; US9936318B2; US10129678B2; US10129679B2; US10271150B2; US10462592B2; US10750303B2; US11005440B2; US11337017B2; US11736878B2; US11888456B2; US9065411B2; US9519454B2; US9690539B2; US9743181B2; US9860662B2; US9864574B2; US9998841B2; US10051397B2; US10296282B2; US10299061B1; US10372406B2; US10405116B2; US10402154B2; US10582326B1; US10664224B2; US10848892B2; US10853022B2; US10880664B2; US10884698B2; US10904685B2; US11212629B2; US11237792B2; US11350233B2; US11379179B2; US11531514B2; US11729568B2; US11736877B2; US11877139B2; US11983458B2; US11995376B2; US9648422B2; US9693165B2; US9729115B2; US9736584B2; US9749744B2; US9788113B2; US9820045B2; US9913057B2; US9961464B2; US9961463B2; US9992597B2; US10045138B2; US10045139B2; US10063202B2; US10129674B2; US10284984B2; US10412516B2; US10419864B2; US10674293B2; US10720896B2; US10791405B2; US11064306B2; US11106425B2; US11197112B2; US11368803B2; US11516606B2; US11516608B2; US11706579B2; US11800305B2; US9743208B2; US9763018B1; US9930470B2; US10045142B2; US10051399B2; US10299054B2; US10299055B2; US10334386B2; US10455347B2; US10511924B2; US10750304B2; US10791407B2; US10945089B2; US10986460B2; US11122382B2; US11153706B1; US11197117B2; US11218827B2; US11290838B2; US11528578B2; US11540073B2; US11825289B2; US11825290B2; US11889276B2; US11889290B2; US11910181B2; US11991506B2; US9658820B2; US9706323B2; US9727303B2; US9727302B2; US9727304B2; US9733893B2; US9733891B2; US9733892B2; US9740453B2; US9749760B2; US9778897B2; US9778898B2; US9778900B2; US9781532B2; US9813827B2; US9860657B2; US9872119B2; US10031715B2; US10120638B2; US10129675B2; US10133536B2; US10140085B2; US10146498B2; US10154359B2; US10157034B2; US10157035B2; US10157033B2; US10175930B2; US10175932B2; US10185540B2; US10185541B2; US10209953B2; US10216473B2; US10228902B2; US10282164B2; US10289380B2; US10296283B2; US10303431B2; US10303432B2; US10324684B2; US10412517B2; US10445054B2; US10469966B2; US10545723B2; US10701501B2; US10747496B2; US10754613B2; US10754612B2; US10848885B2; US10863295B2; US10897679B2; US10949163B2; US10956119B2; US10963215B2; US10970034B2; US11080001B2; US11200025B2; US11301207B1; US11388532B2; US11403062B2; US11550539B2; US11625221B2; US11696081B2; US11991505B2

Designated contracting state (EPC)

DE DK FR GB

DOCDB simple family (publication)

**EP 0772374 A2 19970507**; **EP 0772374 A3 20060329**; **EP 0772374 B1 20081008**; DE 69637704 D1 20081120; DK 0772374 T3 20090202

DOCDB simple family (application)

**EP 96203005 A 19961029**; DE 69637704 T 19961029; DK 96203005 T 19961029