

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 A3 20060329 (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 3/04 (2006.01); **H04R 3/00** (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)

Citation (search report)

- [X] WO 8400274 A1 19840119 - B & W LOUDSPEAKERS [GB]
- [X] DE 4334040 A1 19950413 - KLIPPEL WOLFGANG [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 02 29 February 1996 (1996-02-29)

Cited by

CN110402585A; EP3583783A4; US8144904B2; US9794707B2; WO2016083970A1; WO2006116883A1; WO2009007322A3; 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; 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; US10585639B2; US10613817B2; US11099808B2; US11294618B2; US11556305B2; US11803350B2; US9668049B2; US10003899B2; US10390161B2; US10735879B2; US11006232B2; US11184726B2; US11516612B2; US11894975B2; US11909588B2; US9715367B2; US9756424B2; US9952825B2; US10028056B2; US10136218B2; US10306365B2; US10425733B1; US10448159B2; US10555082B2; US10599386B2; US10734965B1; US10966025B2; US11029917B2; US11082770B2; US11374547B2; US11540050B2; US11625219B2; US11728780B2; 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

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