

Title (en)

METHOD FOR OPERATING A BINAURAL HEARING SYSTEM

Title (de)

VERFAHREN ZUM BETRIEB EINES BINAURALEN HÖRSYSTEMS

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UN SYSTÈME AUDITIF BINAURICULAIRE

Publication

EP 3148217 B1 20190109 (EN)

Application

EP 16172902 A 20160603

Priority

EP 15186710 A 20150924

Abstract (en)

[origin: EP3148217A1] The invention relates to a method (18) for operating a binaural hearing system (20), said binaural hearing system (20) comprising a first hearing aid (24) and a second hearing aid (26), wherein the first hearing aid (24) generates a first reference signal (28) from a sound signal (22) by a first microphone (30), wherein the second hearing aid (26) generates a second reference signal (32) from a sound signal (22) by a second microphone (34), wherein the first reference signal (28) and the second reference signal (32) are both used to derive a first binaural beamformer signal (46) and a second binaural beamformer signal. Furthermore, the first reference signal (28) and the second reference signal (32) are used to determine a common gain (48), and from the first reference signal (28) and the common gain (48) a first common gain signal is derived (50), and from the second reference signal (32) and the common gain (48) a second common gain signal is derived, wherein at least for a number of frequency bands the first binaural beamformer signal (46) is compared with the first common gain signal (50) for classification (56) with respect to a noise reduction, and the first binaural beamformer signal (46) and the first common gain signal (50) are mixed in dependence of said classification (56) in order to obtain a first output signal (58).

IPC 8 full level

H04R 25/00 (2006.01); **G10L 21/0216** (2013.01)

CPC (source: EP)

H04R 25/407 (2013.01); **H04R 25/43** (2013.01); **G10L 2021/02166** (2013.01); **H04R 25/552** (2013.01); **H04R 2225/43** (2013.01); **H04R 2410/01** (2013.01); **H04R 2430/20** (2013.01)

Cited by

US10555094B2; EP3672283A1; US2020204932A1; JP2020102835A; US10848879B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3148217 A1 20170329; EP 3148217 B1 20190109; DK 3148217 T3 20190415

DOCDB simple family (application)

EP 16172902 A 20160603; DK 16172902 T 20160603