

Title (en)

METHOD FOR OPERATING A BINAURAL HEARING SYSTEM

Title (de)

VERFAHREN ZUM BETRIEB EINES BINAURAL EN HÖRSYSTEMS

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UN SYSTÈME AUDITIF BINAURICULAIRE

Publication

**EP 3148217 B1 20190109 (EN)**

Application

**EP 16172902 A 20160603**

Priority

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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

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Cited by

US10555094B2; EP3672283A1; US2020204932A1; JP2020102835A; US10848879B2

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