

Title (en)

HEARING DEVICE WITH ADAPTIVE SUB-BAND BEAMFORMING AND RELATED METHOD

Title (de)

HÖRGERÄT MIT ADAPTIVER TEILBANDSTRAHLFORMUNG UND ZUGEHÖRIGES VERFAHREN

Title (fr)

DISPOSITIF AUDITIF AVEC FORMATION DE FAISCEAU DE SOUS-BANDE ADAPTATIVE ET PROCÉDÉ ASSOCIÉ

Publication

EP 4277300 A1 20231115 (EN)

Application

EP 23181448 A 20180321

Priority

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- DK PA201770327 A 20170509
- EP 20170594 A 20180321
- EP 18163126 A 20180321

Abstract (en)

A hearing device for a binaural hearing system comprising the hearing device and a contralateral hearing device is disclosed. The hearing device comprises a transceiver module; microphones for provision of first and second microphone input signal; a first beamforming module for provision of a first beamform signal based on the first microphone input signal and the second microphone input signal; a filter bank for filtering the first beamform signal into a plurality of first sub-band beamform signals including a first bandpass beamform signal, and for filtering a contralateral beamform signal into a contralateral bandpass beamform signal; a second beamforming module comprising an adaptive bandpass beamformer for provision of a second bandpass beamform signal; an adder for provision of a beamformed input signal; a processor for providing an electrical output signal based on the beamformed input signal; and a receiver for converting the electrical output signal to an audio output signal.

IPC 8 full level

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CPC (source: EP)

H04R 25/407 (2013.01); **H04R 25/552** (2013.01)

Citation (applicant)

US 2015289065 A1 20151008 - JENSEN JESPER [DK], et al

Citation (search report)

- [XA] EP 3101919 A1 20161207 - OTICON AS [DK]
- [A] WO 2007128825 A1 20071115 - PHONAK AG [CH], et al
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- [A] WO 2016112969 A1 20160721 - WIDEX AS [DK]
- [A] WO 2009034524 A1 20090319 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [A] EP 2884763 A1 20150617 - GN NETCOM AS [DK]
- [A] US 2002041695 A1 20020411 - LUO FA-LONG [US]

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