

Title (en)

HIGH QUALITY OPEN-CANAL SOUND TRANSDUCTION DEVICE AND METHOD

Title (de)

GERÄT UND VERFAHREN ZUR HOCHQUALITÄT-SCHALLWANDLUNG IM OHRKANAL

Title (fr)

PROCEDE ET DISPOSITIF DE TRANSDUCTION SONORE, HAUTE QUALITE, DANS UN CANAL OUVERT

Publication

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Application

EP 99930165 A 19990617

Priority

- US 9912806 W 19990617
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Abstract (en)

[origin: WO0001196A1] The invention relates to an open-canal communication device (330) and method for processing sound that is delivered directly in a user's open ear canal (350), so that the user will perceive the sound to have a high quality and a flat frequency response. This is accomplished by enhancing sound intensities (320) at frequencies below the ear canal resonance frequencies, reproducing sound in the canal resonance frequency bands with a flat response, and enhancing sound intensities at higher frequencies.

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H04R 1/02 (2013.01); **H04R 25/353** (2013.01); **H04R 25/50** (2013.01); **H04R 2460/09** (2013.01)

Citation (search report)

- [X] EP 0421681 A2 19910410 - SONY CORP [JP]
- [XP] WO 9844760 A2 19981008 - RESOUND CORP [US]
- [A] US 5737436 A 19980407 - BOYDEN JAMES H [US]
- See references of WO 0001196A1

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Designated contracting state (EPC)

CH DE DK LI

DOCDB simple family (publication)

WO 0001196 A1 20000106; **WO 0001196 A9 20000330**; AU 4676199 A 20000117; EP 1093700 A1 20010425; EP 1093700 A4 20060426

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