

# Registro 1 de 1

**Patent Number(s):** DE102012205634-A1; EP2648423-A2; EP2648423-A3; DE102012205634-B4; EP2648423-B1

**Title:** Method for operating hearing aid device i.e. behind-the-ear hearing aid device, by visually impaired person, involves automatically assigning detected position or movement of body part to virtual position

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**Derwent Primary Accession No.:** 2013-Q36765

**Abstract:** NOVELTY - The method involves presenting first and second acoustic signals (10, 11) originating from first and second virtual positions by a hearing aid device, respectively, where the acoustic signals represent respective setting options of the device. A body part of a user (13) is induced to one of the virtual positions, and a position or movement of the body part of the user is detected. The detected position or movement of the body part is automatically assigned to the virtual position, where the setting option corresponding to the assigned virtual position is chosen.

USE - Method for operating a hearing aid device i.e. behind-the-ear hearing aid device, with a smartphone, a notebook, or a tablet computer by a user i.e. visually impaired person. Can also be used for a receiver-in-canal hearing aid device, in-the-ear (ITE) hearing aid device, completely-in-canal (CIC) hearing aid device, bone anchored hearing aid device and a vibrotactile hearing aid device.

ADVANTAGE - The method allows representing multiple setting options as sound stimulus of different spatial positions of the body part of the user such that each setting option is assigned with a location in space, thus allowing the user to automatically assign the required setting option by positioning, aligning or moving the body part in a simple manner, and hence realizing comfortable operation of the hearing aid device even by a visually impaired person or by a user during driving of a car.

DETAILED DESCRIPTION - The setting options concern a hearing aid program, volume, pitch, directional characteristics, intercarrier noise suppressor or hearing contents. An INDEPENDENT CLAIM is also included for a hearing aid device.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic top view of a user with a hearing aid device.

Acoustic signals (10-12)

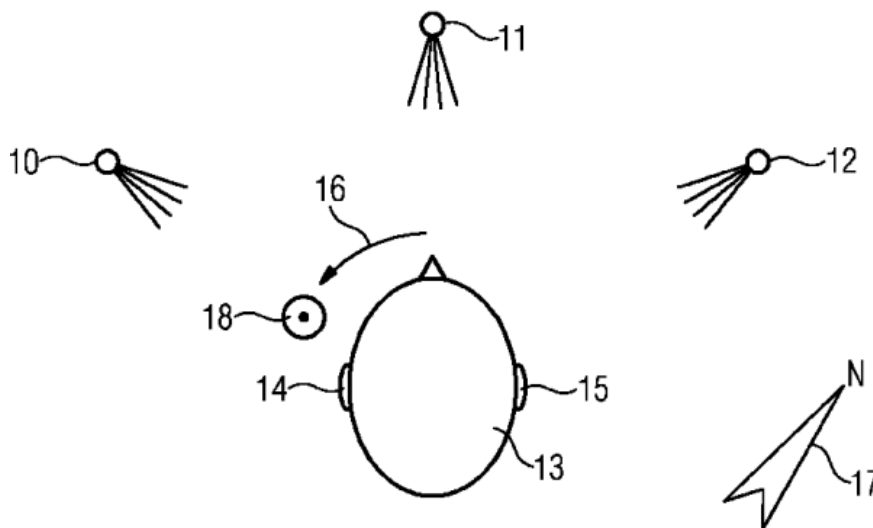
User (13)

Hearing aids (14, 15)

Rotation direction of user's head (16)

Earth's magnetic field (17)

**Drawing:**



**Derwent Class Code(s):** T01 (Digital Computers); V06 (Electromechanical Transducers and Small Machines); W01 (Telephone and Data Transmission Systems); W04 (Audio/Video Recording and Systems)

**Derwent Manual Code(s):** T01-J07D3; T01-M06A1; V06-V02S; V06-V04A4; V06-V04K; W01-C01D3C; W01-C01G8; W01-C01P2; W04-Y01; W04-Y03C5

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## Patent Details:

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## Application Details and Date:

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|-------------------|------------|-------------|
| DE102012205634-A1 | DE10205634 | 05 Apr 2012 |
| EP2648423-A2      | EP160286   | 21 Mar 2013 |
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