

MEDICAL DEVICE

**BIO15572: METHOD AND APPARATUS FOR
ACQUIRING A SPATIAL MAP OF AUDITORY
PERCEPTION OF A SUBJECT**

FEBRUARY 2018

Inserm **Transfert**



BIO15572

METHOD AND APPARATUS AND SOFTWARE FOR ACQUIRING A SPATIAL MAP OF AUDITORY PERCEPTION OF A SUBJECT

Product

Product:

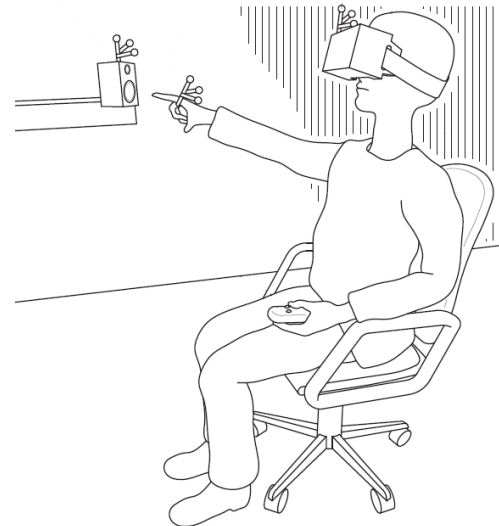
- Medical device for acquiring a 3D-map of auditory perception

Application:

- Detection of auditory perception impairments
- Reeducation on subjects who have been received hearing aids or implantable hearing devices

Principle:

Figure 1: Simplified illustration of an experimental setup for acquiring a spatial map of auditory perception of a subject, including an apparatus for acquiring a spatial map of auditory perception according to the invention



Patent:

- PCT/EP2017/062738: METHOD AND APPARATUS FOR ACQUIRING A SPATIAL MAP OF AUDITORY PERCEPTION OF A SUBJECT
- Software: industrial design right registration

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Example

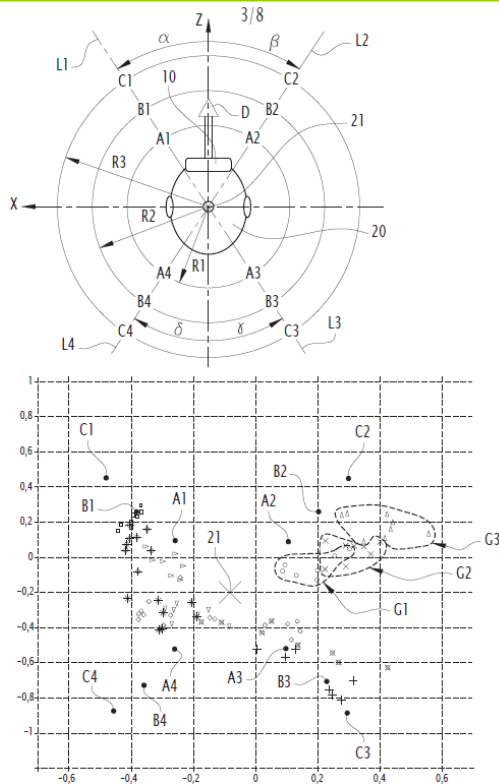


Figure 2: TOP: Schematically predefined target locations for placing a sound source of the apparatus. BOTTOM: graph illustrating an example of estimated locations of the sound source acquired by the apparatus

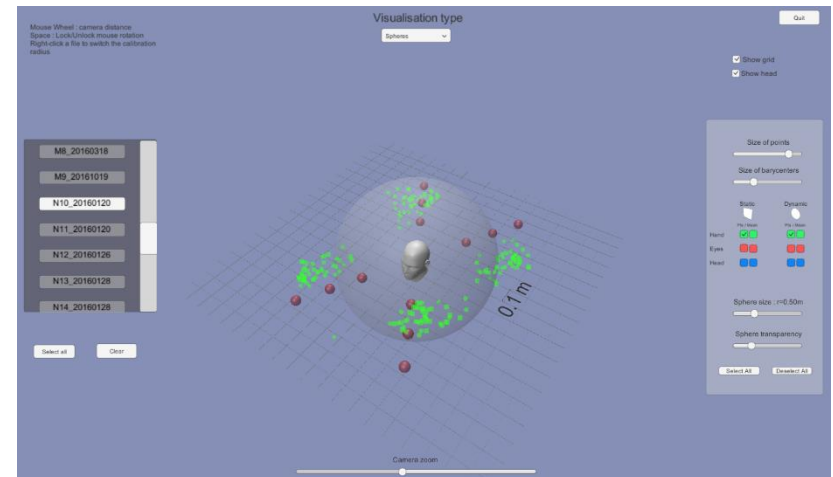


Figure 3: Example of estimated locations of the sound source acquired by the device and displayed on the user interface.

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