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Direct Drive Hearing Aid Stimulation Methods

Tech ID: 33454 / UC Case 2021-710-0

BRIEF DESCRIPTION

An innovative direct drive hearing device, with a removable outside component that allows high quality sound and prolonged usage.

APPLICATIONS

- *Can be used as an improved hearing aid for the approximately 30 million people in the US suffering from hearing loss.
- *Has potential for use in medical and health settings where quality of sound is paramount.

ADVANTAGES

- Provides higher quality sound compared to conventional hearing aids.
- Allows for battery replacement or recharging without disturbing the actuator attached to the tympanic membrane.
- Introduces a significant innovation in a space lacking in recent advancements.

Problems Solved:

- Overcomes the limitation of sound quality in conventional hearing aids.
- Eliminates the need for frequent removal and reattachment to the ear drum, providing extended use.

DESCRIPTION

This invention is a novel hearing device that improves upon standard hearing aids by directly driving the tympanic membrane, providing a higher quality sound closer to that of implantable hearing aids. The technology allows the outside component to be removed for charging or replacing, while the inside portion remains abutted to the ear drum for an extended period of time, ensuring consistent, high-quality sound for the patient.

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Published Application	20240015456	01/11/2024	2021-710

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OTHER INFORMATION

CATEGORIZED AS

- » Medical
- » Devices
- » Other

RELATED CASES

2021-710-0

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