Tinnitus Treatment Using Transtympanic Electrical Stimulation

Tech ID: 33887 / UC Case 2019-368-0

BRIEF DESCRIPTION

A novel approach to treating tinnitus through electrical stimulation of the inner ear or auditory nerve.

FULL DESCRIPTION

Researchers at UC Irvine devised a semi-implantable or fully implantable system designed to deliver electrical stimulation directly to the inner ear, aiming to suppress the symptoms of tinnitus. Unlike traditional treatments that rely on sound therapy or cochlear implants, this device offers a non-invasive alternative that can benefit a broader range of patients, including those without severe hearing loss.

SUGGESTED USES

- Medical devices for the treatment of auditory conditions.
- Therapeutic solutions for patients suffering from tinnitus.
- Innovative healthcare technologies for non-invasive treatment methods.

ADVANTAGES

- Non-invasive treatment option for tinnitus, reducing potential risks and complications.
- Can be used by a wider range of patients, including those not eligible for cochlear implants.
- Offers complete suppression of tinnitus symptoms in some patients.
- Minimally invasive with no risk of hearing loss, unlike cochlear implants.

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	11,642,524	05/09/2023	2019-368

CONTACT

Richard Y. Tun
tunr@uci.edu
tel: 949-824-3586.

OTHER INFORMATION

CATEGORIZED AS

- **Biotechnology**
  - Health
- **Medical**
  - Devices
  - Rehabilitation

RELATED CASES

2019-368-0

UCI Beall
Applied Innovation

5270 California Avenue / Irvine,CA
92697-7700 / Tel: 949.824.2683