Labelless, Efficient, Optimization Of Neurostimulation

Tech ID: 34496 / UC Case 2025-236-0

VALUE PROPOSITION

The global neuromodulation and neurostimulation device market has experienced robust growth in recent years driven by raising incidences of neurological disorders, chronic pain and mental health conditions, alongside advancement in minimal invasive technologies.

TECHNOLOGY DESCRIPTION

UCSF investigators developed a technology that offers labelless, efficient method for personalized optimization of neurostimulation. It enables personalized closed-loop neurostimulation optimization without the excessive patient burden of self-reporting or wearables that can be applied across devices and conditions, simplifying the process of achieving effective brain stimulation tailored to individual needs.

PATENT STATUS

Patent Pending

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OTHER INFORMATION

KEYWORDS

digital health, medical device, therapeutic, mental health, behavioral health, neurodegeneration, sleep disorders, chronic pain

CATEGORIZED AS

- Biotechnology
  - Health
- Computer
  - Software
- Medical
  - Disease: Central Nervous System
  - Software

RELATED CASES

2025-236-0

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