



A Device and Method to Induce Interferential Beat Vibrations and Frequencies into the Body for Treatment of Pain, Anxiety, Depression, Addiction, and Sleep Disorders

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DESCRIPTION

The invention consists of a seated whole-body vibration platform to induce therapeutic interferential traveling waves in the body. The device consists of a split, body-conforming seat, where each half is independently vibrated at specific frequencies such that superimposed vibration waves are induced in the body. The technology has a vibration control system that allows targeting and cancelation of the vibration to desired parts of the body. The vibration control system allows tailored treatment protocols to be monitored remotely. This technology is predicated on pre-clinical research demonstrating that mechanical stimulation of specific sensory areas of the body elevate natural opioids and dopamine levels in the brain.



Split seat with dual vibration drives on a chair. Independently-controlled vibration sources are mounted to the underside of the seat.

PROBLEM SOLVED

This device was developed to provide relief, in a non-pharmacological way, of symptoms and physical signs of distress including pain, depression, anxiety, and addiction withdrawal.



KEY ADVANTAGES

- » *The device allows for comparisons with a normative database of responses*
- » *Vibration can be intensified or canceled as desired*
- » *Remote monitoring of patient usage*

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APPLICATIONS

This technology has the potential to become an effective treatment of pain, anxiety, depression, addiction, sleep disorders and other ailments of the body.

IP Status:
Patent Pending



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