Docket #: S21-062

TMS modulation of traits

This invention involved a new methodology using novel targets, TMS stimulation and a hypnosis protocol to modulate traits and help chronic pain, addiction, and mental disorders.

Applications

- A company could potentially develop a device that combines the administration of transcranial magnetic stimulation (TMS) and the induction of hypnosis in a patient. Such a device could potentially be used in clinical settings where the objective may range from pain management to habit control (smoking, overeating) to the treatment of mental health conditions (stress/anxiety, insomnia). The likely customers of such a device would be medical institutions and clinicians, including primary care physicians, pain specialists, psychologists); these customers would be able to safely apply such a device in controlled settings to their patients.
- Advantages and improvements over existing methods, devices, or materials:
    - Existing methods are limited by tolerability and prolonged treatment durations. The combination of two noninvasive, fast acting treatment modalities could prove to be more efficient in the treatment of pain, mental health and other disorders when compared to other forms of talk therapy, medications, and etc. When used separately, hypnosis and TMS have proven to be efficacious but not necessarily for everyone. There's a potential to augment the response to hypnotic induction when used in conjunction with TMS.

Advantages

- hypnosis alone does not work for everyone

Patents

- Published Application: 20230355920

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