

Technology: [Methods and systems for treating neurological movement disorders](#)

VA ID Number: 00-002

Inventor: Phillip Starr

Location: San Francisco, CA

Topic: Neurology

USPTO Issue Date: 3/29/16

Patent Number: 9,295,838

This patent was assigned by the VA.

Contact

Lee Sylvers, PhD

lee.sylvers@va.gov

202-443-5646

Abstract

The present disclosure provides methods for reducing the clinical presentations of a neurological movement disorder in a subject. Aspects of the methods include measuring cortical local field potentials (LFPs) from the subject's brain, calculating a modulation index related to brain synchronization from the LFPs, and administering deep brain stimulation to the subject if the calculated modulation index is outside of a threshold range. Also provided are devices, systems, and kits that may be used in practicing the subject methods.