

Stereotactic Deep Brain Transcranial Magnetic Stimulation

Stanford researchers have patented systems and methods for Stereotactic Deep Brain Transcranial Magnetic Stimulation (TMS). Deep Brain TMS can be used to stimulate, enhance or inhibit neural activity in deep-brain target regions for diagnostic and predictive (e.g., treatment formulation) purposes. This technology can be used for neuroscience research as well as clinical psychiatric, neurological, and neurosurgical applications.

Applications

- **Neuroscience research**
- Clinical psychiatric, neurological, and neurosurgical applications including but not limited to:
 - Alzheimer's disease
 - Brain stimulation
 - Neurological
 - Obsessive-compulsive disorder
 - Pain management
 - Parkinson's disease
 - Psychiatric
 - Seizures

Advantages

- Deep, targeted application
- Non-invasive

Patents

- Published Application: [20050228209](#)
- Published Application: [20070260107](#)
- Published Application: [WO2007130308](#)
- Published Application: [20090234243](#)
- Published Application: [20110082326](#)
- Published Application: [20160096032](#)
- Issued: [8,052,591 \(USA\)](#)
- Issued: [8,845,508 \(USA\)](#)
- Issued: [9,352,167 \(USA\)](#)
- Issued: [10,589,118 \(USA\)](#)

Innovators

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