

Title (en)

MEDICAL DEVICES FOR THE DETECTION, PREVENTION AND/OR TREATMENT OF NEUROLOGICAL DISORDERS, AND METHODS RELATED THERETO

Title (de)

MEDIZINPRODUKTE FÜR NACHWEIS, PRÄVENTION UND/ODER BEHANDLUNG VON NEUROLOGISCHEN ERKRANKUNGEN UND RELEVANTE VERFAHREN

Title (fr)

DISPOSITIF MEDICAUX POUR LA DETECTION, LA PREVENTION ET/OU LE TRAITEMENT DE TROUBLES NEUROLOGIQUES, ET PROCEDES ASSOCIES

Publication

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Application

EP 05808963 A 20051017

Priority

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- US 96789104 A 20041018

Abstract (en)

[origin: WO2006044793A2] Disclosed are devices and methods for detecting, preventing, and/or treating neurological disorders. These devices and methods utilize electrical stimulation, and comprise a unique concentric ring electrode component. The disclosed methods involve the positioning of multiple electrodes on the scalp of a mammal; monitoring the mammal's brain electrical patterns to identify the onset of a neurological event; identifying the location of the brain electrical patterns indicative of neurological event; and applying transcutaneous or transcranial electrical stimulation to the location of the neurological event to beneficially modify brain electrical patterns. The disclosed methods may be useful in the detection, prevention, and/or treatment of a variety of indications, such as epilepsy, Parkinson's Disease, Huntington's disease, Alzheimer's disease, depression, bipolar disorder, phobia, schizophrenia, multiple personality disorder, migraine or headache, concussion, attention deficit hyperactivity disorder, eating disorder, substance abuse, and anxiety. The disclosed methods may also be used in combination with other peripheral stimulation techniques.

IPC 8 full level

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Citation (search report)

- [XYI] US 2004158298 A1 20040812 - GLINER BRADFORD EVAN [US], et al
- [Y] US 2004102828 A1 20040527 - LOWRY DAVID WARREN [US], et al
- [A] US 2003187490 A1 20031002 - GLINER BRADFORD EVAN [US]
- See references of WO 2006044793A2

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