

Title (en)

SYSTEM AND METHOD FOR DETECTING AND MONITORING POST TRAUMATIC STRESS DISORDER (PTSD) USING MAGNETIC RESONANCE SPECTROSCOPY (MRS)

Title (de)

SYSTEM UND VERFAHREN ZUR ERKENNUNG UND ÜBERWACHUNG VON POSTTRAUMATISCHER BELASTUNGSSTÖRUNG (PTSD) MITTELS MAGNETRESONANZSPEKTROSKOPIE (MRS)

Title (fr)

SYSTÈME ET PROCÉDÉ DE DÉTECTION ET DE SURVEILLANCE DE TROUBLE DE STRESS POST-TRAUMATIQUE (TSPT) AU MOYEN DE LA SPECTROSCOPIE PAR RÉSONANCE MAGNÉTIQUE (SRM)

Publication

**EP 3346919 A4 20190501 (EN)**

Application

**EP 16843738 A 20160912**

Priority

- US 201562216947 P 20150910
- US 201562217484 P 20150911
- IB 2016001440 W 20160912

Abstract (en)

[origin: WO2017042635A1] A system and method identifies Post Traumatic Stress Disorder by the use of magnetic resonance spectroscopy (MRS) to measure absolute and relative concentrations of metabolites in specific brain regions in the central nervous system or brain. The system and method can be used as a diagnostic tool for the assessment of PTSD. These chemical changes in the brain of those people suffering from PTSD are different from those suffering from head injury, chronic pain and other neurological conditions.

IPC 8 full level

**A61B 5/055** (2006.01)

CPC (source: EP)

**A61B 5/055** (2013.01); **A61B 5/165** (2013.01); **G01R 33/46** (2013.01); **G01R 33/4633** (2013.01)

Citation (search report)

- [X] WO 2015027116 A1 20150226 - UNIV CALIFORNIA [US]
- [A] WO 2012071584 A2 20120531 - BRIGHAM & WOMENS HOSPITAL [US], et al
- [A] SHELLEY BROWN ET AL: "In Vivo Proton Magnetic Resonance Spectroscopy of the Medial Temporal Lobes of Former Prisoners of War With and Without Posttraumatic Stress Disorder", THE JOURNAL OF NEUROPSYCHIATRY AND CLINICAL NEUROSCIENCES, 1 August 2003 (2003-08-01), United States, pages 367 - 370, XP055573863, Retrieved from the Internet <URL:https://neuro.psychiatryonline.org/doi/pdf/10.1176/jnp.15.3.367> [retrieved on 20190325], DOI: 10.1176/appi.neuropsych.15.3.367
- See references of WO 2017042635A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2017042635 A1 20170316**; AU 2016320637 A1 20180426; EP 3346919 A1 20180718; EP 3346919 A4 20190501

DOCDB simple family (application)

**IB 2016001440 W 20160912**; AU 2016320637 A 20160912; EP 16843738 A 20160912