Title (en)

SYSTEM AND METHOD FOR DETECTING AND MONITORING BLAST EXPOSURE USING MAGNETIC RESONANCE SPECTROSCOPY (MRS)

Title (de)

SYSTEM UND VERFAHREN ZUR DETEKTION UND ZUR ÜBERWACHUNG VON EXPLOSIONSEXPOSITION MITTELS MAGNETISCHER RESONANZSPEKTROSKOPIE (MRS)

Title (fr)

SYSTÈME ET PROCÉDÉ DE DÉTECTION ET DE SURVEILLANCE DE L'EXPOSITION AU SOUFFLE À L'AIDE DE SPECTROSCOPIE PAR RÉSONANCE MAGNÉTIQUE (SRM)

Publication

EP 3675728 A1 20200708 (EN)

Application

EP 18851200 A 20180831

Priority

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- IB 2018056683 W 20180831

Abstract (en)

[origin: WO2019043648A1] A system and method identifies blast exposure 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 blast exposure. These chemical changes in the brain of those people suffering from blast exposure are different from those suffering from head injury, chronic pain and other neurological conditions.

IPC 8 full level

A61B 5/055 (2006.01); **G01R 33/46** (2006.01)

CPC (source: AU EP)

A61B 5/0042 (2013.01 - AU); **A61B 5/05** (2013.01 - AU); **A61B 5/055** (2013.01 - EP); **A61B 5/14546** (2013.01 - EP); **A61B 5/165** (2013.01 - AU); **A61B 5/4064** (2013.01 - EP); **A61B 5/4076** (2013.01 - AU); **A61B 5/4848** (2013.01 - EP); **G01R 33/485** (2013.01 - EP); A61B 5/4842 (2013.01 - AU); A61B 5/4848 (2013.01 - AU); G01R 33/4625 (2013.01 - AU); G01R 33/4633 (2013.01 - AU EP); G01R 33/483 (2013.01 - AU)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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