

Title (en)

TARGETED STEERABLE TRANSCRANIAL INTERVENTION TO ACCELERATE MEMORY CONSOLIDATION

Title (de)

ZIELGERICHTETE LENKBARE TRANSKRANIELLE INTERVENTION ZUR BESCHLEUNIGTEN SPEICHERKONSOLIDIERUNG

Title (fr)

INTERVENTION TRANSCRÂNIENNE ORIENTABLE CIBLÉE POUR ACCÉLÉRER LA CONSOLIDATION DE MÉMOIRE

Publication

EP 3634568 A4 20210324 (EN)

Application

EP 18814040 A 20180525

Priority

- US 201762516350 P 20170607
- US 201762537892 P 20170727
- US 201762558133 P 20170913
- US 201762570669 P 20171011
- US 201815947733 A 20180406
- US 2018034761 W 20180525

Abstract (en)

[origin: WO2018226440A1] Described is a system to accelerate memory consolidation using a steerable transcranial intervention. During operation, the system generates a unique transcranial and steerable stimulation tag to associate with memory of a task or event. Once the tag is generated, the system activates a plurality of electrodes (e.g., as few as four) to apply the unique transcranial stimulation tag during the occurrence of the event or task to be consolidated.

IPC 8 full level

A61N 1/36 (2006.01); **A61M 21/02** (2006.01); **A61N 1/04** (2006.01)

CPC (source: EP)

A61B 5/369 (2021.01); **A61B 5/486** (2013.01); **A61M 21/00** (2013.01); **A61N 1/0456** (2013.01); **A61N 1/0484** (2013.01); **A61N 1/36025** (2013.01); **A61M 2021/0055** (2013.01); **A61M 2205/52** (2013.01); **A61M 2230/10** (2013.01); **G16H 20/30** (2017.12)

C-Set (source: EP)

A61M 2230/10 + **A61M 2230/005**

Citation (search report)

- [X] WO 2017075223 A1 20170504 - HRL LAB LLC [US]
- [A] WO 2016145232 A2 20160915 - HRL LAB LLC [US], et al
- [X] REMBADO IRENE ET AL: "Cycle-Triggered Cortical Stimulation during Slow Wave Sleep Facilitates Learning a BMI Task: A Case Report in a Non-Human Primate", FRONTIERS IN BEHAVIORAL NEUROSCIENCE, vol. 11, 1 January 2017 (2017-01-01), CH, pages 59 - 59, XP055773347, ISSN: 1662-5153, DOI: 10.3389/fnbeh.2017.00059
- See references of WO 2018226440A1

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 2018226440 A1 20181213; CN 110621375 A 20191227; CN 110621375 B 20230509; EP 3634568 A1 20200415; EP 3634568 A4 20210324

DOCDB simple family (application)

US 2018034761 W 20180525; CN 201880030041 A 20180525; EP 18814040 A 20180525