

Title (en)

SYSTEM AND METHOD FOR ENHANCING LEARNING WITH NEURAL MODULATION

Title (de)

SYSTEM UND VERFAHREN FÜR VERBESSERTES LERNEN MIT NEURONALER MODULATION

Title (fr)

SYSTÈME ET PROCÉDÉ D'AMÉLIORATION DE L'APPRENTISSAGE PAR MODULATION NEURONALE

Publication

EP 3554606 A2 20191023 (EN)

Application

EP 17881096 A 20171213

Priority

- US 201615381252 A 20161216
- US 201615381360 A 20161216
- US 201615381447 A 20161216
- US 2017066012 W 20171213

Abstract (en)

[origin: WO2018111997A2] Systems and related methods for enhancing learning by a subject are described. In an aspect, learning of an activity, a sound pattern, or a motor task is enhanced through the use of neural stimulation. In an aspect, a prompt for causing the subject to perform the activity is delivered, for example via an audio, video or other output device, in combination with neural stimuli. In an aspect, neural stimuli are delivered transcutaneously to a cranial nerve. Delivery of prompts, examples, and neural stimuli is controlled by electrical control circuitry. In an aspect, the system is implemented in connection with a personal computing device such as a smart phone or tablet computer.

IPC 8 full level

A61M 21/00 (2006.01); **A61B 5/0476** (2006.01); **A61N 1/04** (2006.01); **A61N 1/36** (2006.01); **A61N 2/00** (2006.01)

CPC (source: EP KR)

A61B 5/11 (2013.01 - KR); **A61B 5/163** (2017.07 - EP); **A61B 5/369** (2021.01 - KR); **A61B 5/375** (2021.01 - EP); **A61B 5/389** (2021.01 - EP KR); **A61M 21/00** (2013.01 - KR); **A61M 21/02** (2013.01 - EP); **A61N 1/0456** (2013.01 - EP KR); **A61N 1/0492** (2013.01 - KR); **A61N 1/36025** (2013.01 - EP KR); **A61N 1/36036** (2017.07 - EP); **A61N 2/002** (2013.01 - EP KR); **A61N 2/02** (2013.01 - EP); **A61B 5/02055** (2013.01 - EP); **A61B 5/168** (2013.01 - EP); **A61B 5/6815** (2013.01 - EP); **A61M 2021/0022** (2013.01 - KR); **A61M 2021/0027** (2013.01 - KR); **A61M 2021/0055** (2013.01 - KR); **A61M 2021/0072** (2013.01 - EP KR); **A61M 2205/581** (2013.01 - EP); **A61M 2205/583** (2013.01 - EP); **A61M 2230/10** (2013.01 - EP)

C-Set (source: EP)

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

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)

WO 2018111997 A2 20180621; **WO 2018111997 A3 20180726**; CN 110325237 A 20191011; EP 3554606 A2 20191023; EP 3554606 A4 20200513; JP 2020507796 A 20200312; KR 20190099006 A 20190823

DOCDB simple family (application)

US 2017066012 W 20171213; CN 201780086621 A 20171213; EP 17881096 A 20171213; JP 2019531376 A 20171213; KR 20197020719 A 20171213