

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 A4 20200513 (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

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

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Citation (search report)

- [XD] US 2015073492 A1 20150312 - KILGARD MICHAEL P [US], et al
- [X] US 7797042 B2 20100914 - DIETRICH STEFAN [DE], et al
- [AD] US 2015066104 A1 20150305 - WINGEIER BRETT [US], et al
- See references of WO 2018111997A2

Designated contracting state (EPC)

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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