

Title (en)

DEVICE AND METHOD FOR STIMULATING SLOW BRAIN WAVES

Title (de)

VORRICHTUNG UND VERFAHREN ZUR STIMULATION LANGSAMER HIRNSTRÖME

Title (fr)

DISPOSITIF ET PROCEDE DE STIMULATION DES ONDES LENTES CEREBRALES

Publication

**EP 3223695 A1 20171004 (FR)**

Application

**EP 15801824 A 20151127**

Priority

- FR 1461538 A 20141127
- EP 2015077959 W 20151127

Abstract (en)

[origin: WO2016083598A1] The invention relates to a self-contained device (1) for stimulating slow brain waves, capable of being worn by a person (P), in particular during a period of time when said person is sleeping. The device (1) comprises a supporting element (2), capable of surrounding the head of a person, and on which electrodes (3) are mounted in contact with the person in order to acquire a measurement signal that represents a physiological electrical signal of the person; an acoustic transducer (4) for emitting an acoustic signal (A) stimulating the inner ear of the person; and on-board conditioning and control electronics (5) for, in flexible real time, receiving the measurement signal and controlling the emission of an acoustic signal (A) synchronised with a predefined slow brain wave time pattern.

IPC 8 full level

**A61B 5/0484** (2006.01); **A61B 5/00** (2006.01); **A61M 21/02** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2016083598A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

**WO 2016083598 A1 20160602**; EP 3223695 A1 20171004; FR 3029117 A1 20160603; FR 3029117 B1 20220506; US 10695528 B2 20200630; US 2017340855 A1 20171130

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