

(19)



(11)

EP 3 235 426 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
21.02.2018 Bulletin 2018/08

(51) Int Cl.:
A61B 5/00 ^(2006.01) **A61B 6/00** ^(2006.01)
A61B 5/0478 ^(2006.01)

(43) Date of publication A2:
25.10.2017 Bulletin 2017/43

(21) Application number: **17174782.7**

(22) Date of filing: **15.10.2013**

(84) Designated Contracting States:
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

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(30) Priority: **15.10.2012 US 201261713754 P**

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:
13847769.0 / 2 906 116

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(54) **WIRELESS EEG UNIT**

(57) A device for performing EEG which consists of an elastic head strap, electrodes, and a wireless transmitter. The wireless transmitter, which displays indicators of electrode impedance, is secured to a patient using a docking station attached to the head strap at the crown

of a subject's head and is placed into electrical communication with the electrodes using conductive thread sewn into the head strap. A simplified user interface comprising graphical elements improves the detection of brain wave patterns.

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EUROPEAN SEARCH REPORT

Application Number
EP 17 17 4782

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 2007/255127 A1 (MINTZ FREDERICK [US] ET AL) 1 November 2007 (2007-11-01) * paragraphs [0039] - [0041], [0046] * * figures 2-6 *	1,2	INV. A61B5/00 A61B6/00 A61B5/0478
X	US 2012/143020 A1 (BORDOLEY MORDECHAI [US] ET AL) 7 June 2012 (2012-06-07) * paragraphs [0129] - [0131], [0142], [0143] * * figure 2 *	1,2	
X	US 2011/130675 A1 (BIBIAN STEPHANE [US] ET AL) 2 June 2011 (2011-06-02) * paragraphs [0016], [0108], [0113] * * figures 1, 7, 9 *	1,2	
X	US 2003/018278 A1 (JORDAN KENNETH GEORGE [US]) 23 January 2003 (2003-01-23) * paragraphs [0061] - [0063], [0067] * * figure 15 *	1,2	
-----			TECHNICAL FIELDS SEARCHED (IPC)
			A61B

-The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		15 September 2017	Worms, Georg
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EPO FORM 1503 03/02 (P04/C01)



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

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Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

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No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

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see sheet B

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All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

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As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

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Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

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None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

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1, 2

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The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
EP 17 17 4782

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

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1. claims: 1, 2

how to check the proper connection between EEG-electrodes
and the skin

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2. claims: 3-5

how to provide a better overview over measured EEG-results

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3. claims: 6-12

how to make an EEG device usable within an MRI-device

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ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 17 17 4782

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

15-09-2017

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US 2007255127 A1	01-11-2007	US 2007255127 A1 US 2008275359 A1 WO 2008115189 A2	01-11-2007 06-11-2008 25-09-2008
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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	无线脑电图		
公开(公告)号	EP3235426A3	公开(公告)日	2018-02-21
申请号	EP2017174782	申请日	2013-10-15
[标]申请(专利权)人(译)	JORDAN NEUROSCI		
申请(专利权)人(译)	JORDAN神经科学, INC.		
当前申请(专利权)人(译)	JORDAN神经科学, INC.		
[标]发明人	JORDAN KENNETH GEORGE LOUBERT GARY BAKKOM DAVID		
发明人	JORDAN, KENNETH GEORGE LOUBERT, GARY BAKKOM, DAVID		
IPC分类号	A61B5/00 A61B6/00 A61B5/0478		
CPC分类号	A61B5/0478 A61B5/0006 A61B5/04012 A61B5/6803 A61B5/6843 A61B5/6844 A61B6/032 A61B6/4417 A61B6/501 A61B2562/17		
优先权	61/713754 2012-10-15 US		
其他公开文献	EP3235426A2		

摘要(译)

一种用于执行EEG的装置,包括弹性头带,电极和无线发射器。显示电极阻抗指示器的无线发射器使用连接到受试者头部冠部的头带的对接站固定到患者,并使用缝合到头带中的导电线与电极进行电连通。包括图形元素的简化用户界面改进了脑波模式的检测。

 Intellectual Property Business Center Office of the European Patent Office		EUROPEAN SEARCH REPORT		Application Number EP 17 17 4782
DOCUMENTS CONSIDERED TO BE RELEVANT				
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE DISINVENTION (IPC)	
A	US 2007/255127 A1 (MINTZ FREDERICK [US] ET AL) 1 November 2007 (2007-11-01) * paragraphs [0039] - [0041], [0046] * * figures 2-6 *	1,2	INV. A61B5/00 A61B6/00 A61B5/0478	
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X	US 2003/018278 A1 (JORDAN KENNETH GEORGE [US]) 23 January 2003 (2003-01-23) * paragraphs [0061] - [0063], [0067] * * figure 15 *	1,2		
			TECHNICAL FIELDS SEARCHED (IPC)	
			A61B	
-----The present search report has been drawn up for all claims-----				
Place of search		Date of intervention of the search		Examiner
The Hague		15 September 2017		Worms, Georg
CATEGORY OF RELEVANT DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if considered with another document of the same category A: searching of the document category P: intermediate document F: intermediate document				
Z: theory or principle underlying the invention E: search prior document, but published on, or after the filing of the application L: document cited for other reasons A: member of the same patent family, corresponding document				