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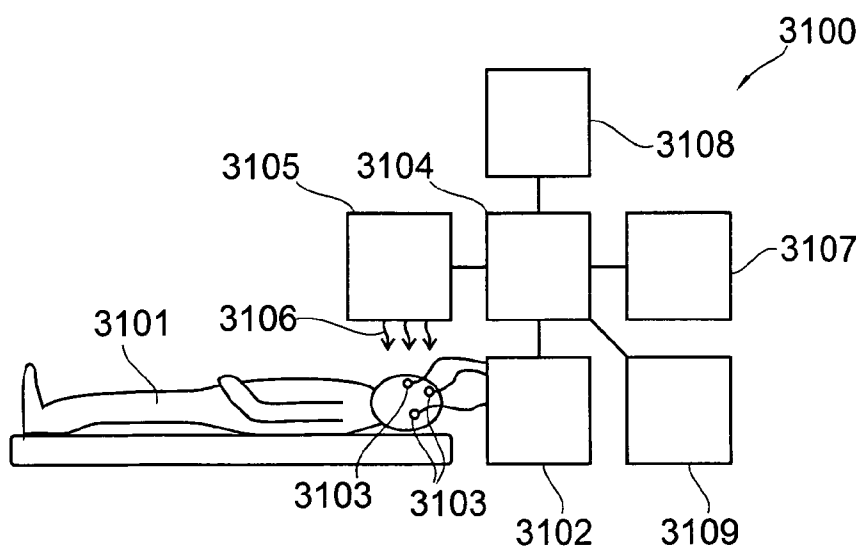
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(54) Title: DEVICES FOR AND METHODS OF ANALYZING A PHYSIOLOGICAL CONDITION OF A PHYSIOLOGICAL SUBJECT BASED ON A WORKLOAD RELATED PROPERTY



(57) Abstract: A method of influencing a physiological condition of a physiological subject, the method comprising detecting a workload distribution / activity in a brain of the physiological subject, the workload distribution / activity being indicative of the physiological condition, and selectively modifying the workload distribution / activity in the brain of the physiological subject to thereby modify the physiological condition.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER INV. A61B5/16				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	WO 2006/024129 A (CANADIAN SPACE AGENCY [CA]; BEDZIOUK SERGUEI [CA]; KOSTIN ANATOLY [RU]) 9 March 2006 (2006-03-09)	1-4, 8, 10-13, 15, 16, 33-39, 42, 44, 45		
Y	paragraphs [0016] - [0018], [0021], [0031], [0037], [0068], [0072], [0076], [0094], [0104], [0105], [0108], [0109], [0113], [0114]; figures 1-9	5-7, 9, 21-24, 26, 27, 40, 41		
X	US 2004/092809 A1 (DECHARMS RICHARD CHRISTOPHER [US]) 13 May 2004 (2004-05-13)	17-20, 25, 31, 32		
Y	paragraphs [0049], [0081], [0169], [0298] - [0303], [0353], [0486], [0487], [0489], [0494], [0512]; figures 1-5	5-7, 21-24, 26, 27, 40, 41		
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.				
<input checked="" type="checkbox"/> See patent family annex.				
* Special categories of cited documents :				
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A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family			
Date of the actual completion of the international search		Date of mailing of the international search report		
6 March 2008		17/03/2008		
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Hunt, Brynley		

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2007/002471

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2005/240253 A1 (TYLER MITCHELL E [US] ET AL) 27 October 2005 (2005-10-27) paragraph [0081]; figures 1-4	9
A	US 5 724 987 A (GEVINS ALAN [US] ET AL) 10 March 1998 (1998-03-10) column 13, line 14 - line 19 column 15, line 59 - column 16, line 8; figures 1-9	1,17,33
A	US 5 295 491 A (GEVINS ALAN S [US]) 22 March 1994 (1994-03-22) column 4, line 24 - line 29 column 13, line 60 - line 63; figures 1-5	1,17,33
A	WO 2004/048513 A (UNIV SOUTHERN CALIFORNIA [US]; LIAW JIM-SHIH [US]) 10 June 2004 (2004-06-10) abstract; figures 8,11	1,17,33

INTERNATIONAL SEARCH REPORT

International application No.
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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: 14 28-30 43
because they relate to subject matter not required to be searched by this Authority, namely:
see FURTHER INFORMATION sheet PCT/ISA/210
2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Claims Nos.: 14 28-30 43

Claims 14, 28-30 - Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy :

- 1) claim 14 is a method that selectively modifies the workload related property i.e. treatment by therapy.
- 2) claim 28 (and dependent claims 29, 30) is a method that administers a drug i.e. therapy

Claim 43 - Rule 39.1(iv) PCT - Diagnostic method practised on the human or animal body

- 1) claim 43 is a method that evaluates the workload related property in the brain i.e. diagnosis

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/EP2007/002471

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