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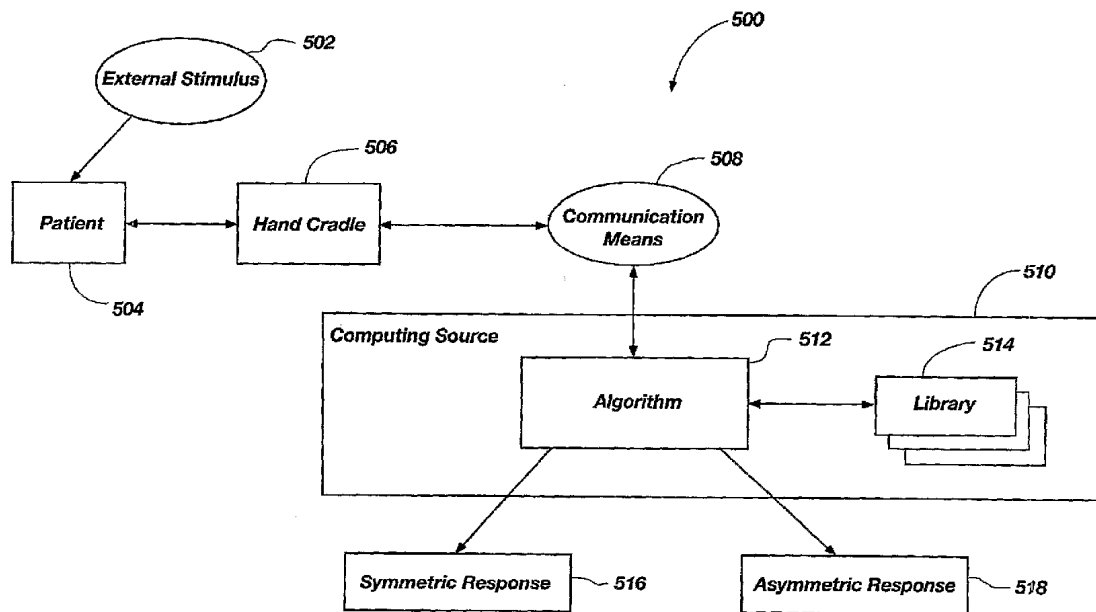
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(54) Title: METHODS AND DEVICES FOR ANALYZING AND COMPARING PHYSIOLOGICAL PARAMETER MEASUREMENTS



(57) Abstract: Methods and devices that are capable of measuring physiological parameters of at least two contact points and determining whether the measured parameters reflect favorable or unfavorable physiological responses are disclosed herein. Specifically, the present invention encompasses a method (500) that can non-invasively monitor physiological parameters of at least two contact points before and after a stimulus (502) is applied to a subject and compare the measured parameters to determine whether the physiological state of the subject is favorable (516) or unfavorable (518).

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# INTERNATIONAL SEARCH REPORT

International application No.

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**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC: **A61B 5/00**( 2006.01);**A61B 13/00**( 2006.01);**A61B 5/05**( 2006.01)

USPC: 600/547  
 According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 U.S. : 600/547,546; 600/300

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 practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,527,700 B1 (MANICO ET AL.) 4 March 2003 (04.03.2003), abstract, Figures 1,4, column 6 lines 1-22	1-10, 18, 19
X	US 20040143170 A1 (DUROUSSEAU) 22 July 2004 (22.07.2004), Figures 1,2, [0019] [0025] [0038] [0061]	11-17
Y	US 5,741,217 B1 (GERO) 21 April 1998 (21.04.1998) abstract, Figures 1,2 column 3, lines 5-55	1-19

Further documents are listed in the continuation of Box C.       See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"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
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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