Title: IMPROVED ASSESSMENT AND REPORTING OF THE EFFICACY AND SAFETY OF DRUGS AND FOOD SUPPLEMENTS

Abstract: A system and method are described to identify risks and assess the efficacy and safety associated with drug, biologic, nutritional, medical food and medical device therapies throughout the treatment development process. The data measured are evaluated in relation to a patient’s specific physiologic state (for example, data collected throughout a biological cycle) to determine the attribution to specific organ systems, functions or mechanisms, and are reported within this context. Further, the system and method enable real time access and entry of patient data stored in a centralized database via the internet or other computing device.
# INTERNATIONAL SEARCH REPORT

## A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - G06Q 50/00 (2008.04)
USPC - 705/2

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)
USPC 705/2

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)
PubWEST (USPTO, PGPB, EPAB, JPAB); Google: @PO=20070323; medical treatment; physiological state; safety; efficacy; EEG NEAR3 sleep; $sleep; active; blood pressure; (ultradian OR circadian OR infradian) NEAR3 rhythm; cardiac conducted; secured network; communication; database; (actigraphy OR calorimetry); autonomic nervous system

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>US 2006/0063754 Al (Edgar, et. al.) 23 Mar 2006 (23.03.2006); para [0090], [0209]-[0218], [0220]-[0221], [0284], [0289], [0312], [0343]-[0413], [0419]-[0421]</td>
<td>1-4, 7-9</td>
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<td>5, 6, 10, 11, 14, 18-28</td>
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<td>Y</td>
<td>US 2005/0288967 Al (Zammit) 29 Dec 2005 (29.12.2005); para [0003], [0005]-[0006], [0020], [0025], [0028], [0031]-[0032]; Fig 12</td>
<td>12, 13, 16, 17</td>
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<td>14, 15, 18-28</td>
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<td>Y</td>
<td>US 6,607,390 B2 (Glenn, et. al.) 19 Aug 2003 (19.08.2003); col 2</td>
<td>6, 23</td>
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<tr>
<td>Y</td>
<td>US 2004/0068421 Al (Drapeau, et. al.) 8 Apr 2004 (08.04.2004); Abstract, para [0030]; Fig 4</td>
<td>15</td>
</tr>
</tbody>
</table>

☑ Further documents are listed in the continuation of Box C. ☐

* Special categories of cited documents:
  "A": document defining the general state of the art which is not considered to be of particular relevance
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  "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
20 August 2008 (20.08.2008)

Date of mailing of the international search report
27 AUG 2008

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