Methods and hand-held devices non-invasively measure a health parameter in an individual or a plurality of individuals. Plural hand-held devices may be provided to plural individuals. Each device may compute a score based on the assayed health parameter in the individual. A server on a computer network may receive the scores and determine a pattern based on the scores. The hand-held devices may be further configured to receive additional data from the individuals regarding activities that may affect the individuals’ scores. The server may receive the additional data from the devices and determine additional patterns.
INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 08/57732

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - G01 N 21/01; G01 N 33/53 (2008.04)
USPC - 436/165, 167, 172
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. 436/165, 167, 172

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 436/164, 436/803, 600/322, 600/309, 600/476, 205/777.5

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST (PGPB.USPT.USOC.EPAB.JPAB), DiaglogPRO (Patent); Google Patent:
Search Terms: free-radical, assay, non-invasive, health, health, screening, monitoring, antioxidant, marker, hand-held, portable, patent statistics

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 6,941,163 B2 (FORD et al.) 06 September 2005 (06.09.2005), entire document</td>
<td>1. 18-20</td>
</tr>
<tr>
<td>Y</td>
<td>US 2006/0194333 A1 (PRUCHE et al.) 31 August 2006 (31.08.2006); para [0017]-[0019], [0032], [0040], [0051], Fig. 1</td>
<td>9-17</td>
</tr>
</tbody>
</table>

D. 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
"E" earlier application or patent 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
26 August 2008 (26.08.2008)

Date of mailing of the international search report
SEP 2008

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PCT OSP: 571-272-7774

Form PCT/ISA/2 10 (second sheet) (April 007)