Title: DEFINING AND MATCHING ATHLETIC PERFORMANCE SEGMENTS

Abstract: Defining and matching segments is disclosed. In some embodiments, defining and matching segments includes receiving a user defined segment via a user interface input; and determining a matching effort (e.g., which can include a set of Geographic Positioning System (GPS) data) to the segment using a processor. In some embodiments, the data associated with the effort includes one or more of the following: heart rate, speed, time, and power. In some embodiments, defining and matching segments further includes storing data associated with the matching effort with the segment. In some embodiments, the user defined segment is based at least in part in uploaded GPS data. In some embodiments, the user defined segment is based at least in part on selected points on a map application.
Date of publication of the international search report:
17 April 2014
INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 12/23358

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8)- G06F 15/00 (2012.01)
USPC - 702/184

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 - 702/184

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC - 702/127; 482/3; 4; 700/94; 84/612 (view search terms below)

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
PubWEST, Google Scholar
Search terms: GPS, computer | processor, method, route | geographic | track | segment | (start | begin) | (end | finish) | point | database, match$

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 2005/0288154 A1 (LEE et al.) 29 December 2005 (29.12.2005) entire document, especially abstract; Fig. 2, para [0013], [0024], [0029], [0030], [0045], [0046], [0080], [0082], [0087], [0089]</td>
<td>1-9, 15, 16, 19 10-14, 17, 20</td>
</tr>
<tr>
<td>Y</td>
<td>US 2009/0204597 A1 (MANG et al.) 13 August 2009 (13.08.2009) entire document, especially abstract; Fig. 8, para [0006], [0007], [0008], [0009], [0039], [0060]-[0062], [0067], [0069]</td>
<td>18 10-14, 17, 20</td>
</tr>
<tr>
<td>Y</td>
<td>US 7,901,292 B1 (ULHIR et al.) 08 March 2011 (08.03.2011) entire document, especially abstract; para [0082]</td>
<td>13</td>
</tr>
</tbody>
</table>

* 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
20 April 2012 (20.04.2012)

Date of mailing of the international search report
1 MAY 2012

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Authorized officer:
Lee W. Young
PCT Helpdesk: 571-272-4300
PCT OIS: 571-272-7774

Form PCT/ISA/2 10 (second sheet) (July 2009)