Title: CONTINUOUS GLUCOSE MONITORING SYSTEM AND METHODS OF USE

Abstract: A continuous glucose monitoring system including a sensor (101) configured to detect one or more glucose levels, a transmitter (102) operatively coupled to the sensor, the transmitter configured to receive the detected one or more glucose levels, the transmitter further configured to transmit signals corresponding to the detected one or more glucose levels, and a receiver (104) operatively coupled to the transmitter configured to receive transmitted signals corresponding to the detected one or more glucose levels, and methods thereof, are disclosed. In one aspect, the transmitter may be configured to transmit a current data point and at least one previous data point, the current data point and the at least one previous data point corresponding to the detected one or more glucose levels.
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**
- IPC(7) : A61B 5/00
- US CL. : 600/300

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. : 600/300-301; 128/903-904; 705/2-4; 709/200; 340/539, 573

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
- NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
- West 2.1 (Plus search)

**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>
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<tbody>
<tr>
<td>X, P</td>
<td>US 6,641,533 B2 (Causey III et al.) 04 November 2003, see entire document</td>
<td>1-3, 9-11, 13-22, 26-42</td>
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<td>X, P</td>
<td>US 6,558,320 B1 (Causey, III et al.) 06 May 2003, see entire document</td>
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<td>X</td>
<td>US 5,507,288 A (Bockor et al.) 16 April 1996, see entire document</td>
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- Further documents are listed in the continuation of Box C.
- See patent family annex.

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<tr>
<td>&quot;A&quot;</td>
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<td>document defining the general state of the art which is not considered to be of particular relevance</td>
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<td>&quot;E&quot;</td>
<td></td>
<td>earlier application or patent published on or after the international filing date</td>
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<tr>
<td>&quot;L&quot;</td>
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<td>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)</td>
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<tr>
<td>&quot;O&quot;</td>
<td></td>
<td>document referring to an oral disclosure, use, exhibition or other means</td>
</tr>
<tr>
<td>&quot;P&quot;</td>
<td></td>
<td>document published prior to the international filing date but later than the priority date claimed</td>
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</table>

- "F" 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
- "E" 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
- "L" 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
- "O" document member of the same patent family

**Date of the actual completion of the international search**
- 08 December 2004 (08.12.2004)

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Form PCT/ISA/210 (second sheet) (July 1998)