Title: NON-INVASIVE INTRACRANIAL PRESSURE SYSTEM

Figure 1

(57) Abstract: Non-invasive intracranial pressure detection and/or monitoring and use of data with respect thereto. Illustratively, with respect to a method, there can be a method to digitally produce and communicate intracranial pressure data from skull deformation electric signals, the method including: receiving, from at least one sensor, detected skull deformation electric signals at electrical equipment configured to transform and process the skull deformation signals that are received; transforming and processing, by the electrical equipment, the received skull deformation electric signals to produce digital intracranial pressure data; and outputting, by the electrical equipment, the digital intracranial pressure data via an output device operably associated with the electrical equipment to render the digital intracranial pressure data.
(88) Date of publication of the international search report:
18 May 2013
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

**IPPC(8)**: A61B 5/00, 5/08 (2013.01)
**USPC**: 600/561, 484

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)

**IPPC(8)**: A61B 5/00, 5/08 (2013.01)
**USPC**: 600/561, 484

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database consulted during the international search (name of database and, where practicable, search terms used)

IP.com; PubMed/MEDLINE: intracranial pressure, skull deformation, signal, sensor, drug, analog, digital, fourier

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 6746410 B2 (YOST, WT et al.) June 8, 2004; entire document</td>
<td>1, 2, 4-8, 14-16, 34, 39, 40</td>
</tr>
<tr>
<td>Y</td>
<td>GB 2156997 A (BRAY, RS) October 16, 1985; claims 1-2, 5-6; abstract; figure 1</td>
<td>3, 9-13, 17-33, 35-38, 41-76</td>
</tr>
<tr>
<td>Y</td>
<td>US 5617873 A (YOST, WT et al.) April 8, 1997; column 2, lines 23-26</td>
<td>29, 67</td>
</tr>
<tr>
<td>Y</td>
<td>US 2010/0161004 A1 (NAJAFI, N et al.) June 24, 2010; paragraph [0054]; claims 21, 22</td>
<td>30, 32, 33, 35, 68, 70, 71, 73</td>
</tr>
<tr>
<td>Y</td>
<td>US 2009/0177279 A1 (LUCIANO, MG et al.) July 9, 2009; paragraphs [0009], [0019]</td>
<td>22, 24, 60, 62</td>
</tr>
</tbody>
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Further documents are listed in the continuation of Box C.  

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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

Date of the actual completion of the international search: 30 April 2013 (30.04.2013)

Date of mailing of the international search report: 15 May 2073

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