(54) Title: SYSTEM AND METHOD FOR VISION EXAMINATION

(57) Abstract: A system (10) and method for performing a vision examination includes displaying a series of visual stimuli in a line by line pattern display (18, 19) for observation by a patient and detecting the patient’s visual evoked potential in response to the visual stimuli. The system (10) includes visual evoked potential recording and measuring device (11), computer (14), monitor (15), keyboard (16), electrodes (20, 21, 22) and visual stimulus generating device (23). The presentation of visual stimulus is synchronized with the rate of sampling the responsive visual evoked potential signals.
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : A61B 5/00  
US Cl. : 600/258  
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. : 600/544, 545, 558, 851/205, 211, 222, 228, 237, 259

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)

WEST, NPL

**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>A</td>
<td>US 5,474,081 A (LIVINGSTONE et al.) 12 December 1995, see entire doc.</td>
<td>1-11</td>
</tr>
<tr>
<td>A</td>
<td>US 5,638,825 A (YAMAZAKI et al.) 17 June 1997, see entire doc.</td>
<td>1-11</td>
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<tr>
<td>A</td>
<td>US 6,115,631 A (HEYREND et al.) 05 September 2000, see entire doc.</td>
<td>1-11</td>
</tr>
<tr>
<td>A</td>
<td>US 4,913,160 A (JOHN) 03 April 1990, see entire doc.</td>
<td>1-11</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  
"D" - earlier document published on or after the international filing date  
"I" - 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  
"T" - document published prior to the international filing date but later than the priority date claimed

Further documents are listed in the continuation of Box C. See patent family annex.

Date of the actual completion of the international search: 28 AUGUST 2002

Date of mailing of the international search report: 28 FEB 2003

Name and mailing address of the ISA/US Commissioner of Patents and Trademarks

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