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Declarations under Rule 4.17:
— as to applicant’s entitlement to apply for and be granted a patent (Rule 4.17(U))

[Continued on next page]

(54) Title: ASSISTIVE COMMUNICATION DEVICE

(57) Abstract: An assistive communication device (10) of the type on which a user can compose a message to be spoken by the device (2), using an input device to select items on a display to construct the message, can operate in a mode suitable for visually impaired and/or inexperienced users by aurally stepping through the available choices, explaining to the user the consequences of selecting each choice. The order in which choices are presented in these modes may differ from a mode in which they would be presented to an experienced or farsighted user. Even for an experienced user, the order in which choices are highlighted on the display may differ according to the user’s usage history. The device (2) may be connected to external communications (1), including a telephone line, a data network for electronic mail, or a caregiver alert device. The caregiver alert device (3) may be portable, or may be a caregivers’ station console.
| Published:                                                                 | Date of publication of the revised international search report: |
| -- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(Ui)) | 5 July 2007 |
| Published:                                                                                                      | (15) Information about Correction: |
| -- with international search report                                                                                    | see PCT Gazette No. 27/2007 of 5 July 2007 |
| -- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments |                                                                 |
| (88) Date of publication of the international search report:                                                           | For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette. |
| 19 April 2007                                                                                                        |                                                                 |
INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/39107

A. CLASSIFICATION OF SUBJECT MATTER

IPC: G08B 13/02 (2006.01)

USPC: 34/0286 07,825. 19,73.1,539. 1,539. 12,539. 19,434/112,600/300,301 1,128/903,904

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. : 340/286 07,825 19,573.1,539 1,539 12,539. 19,434/1 12,600/300,301 1,128/903,904

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)

Please See Continuation Sheet

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 5,838,223 A (GALLANT et al.) 17 November 1998, figs 2,1,2,15, col. 1, lines 43-50 and col.4, line 56 to col.5, line 12, col. 7, lines 66-67, col. 15, lines 57-67 and tables 22-24</td>
<td>26-47</td>
</tr>
<tr>
<td>A</td>
<td>US 6,923,652 A (KERNS et al.) 02 August 2005, figs 1-2, col 2, lines 14-48 and col,3, lines 30-65.</td>
<td>1:25 &amp; 48</td>
</tr>
</tbody>
</table>

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

Date of the actual completion of the international search
26 January 2007 (26 Q1 Q07)

Date of mailing of the international search report

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Form PCT/ISA/210 (second sheet) (April 2005)
Continuation of B FIELDS SEARCHED Item 3
(handicap$4 or disability$3 or patient$1 or 'visually impaired' or 'speech impaired' or stroke$1) and (hospitals$1 or healthcare$1 or clinics$1 or medical$1 or doctor$1 or caregivers$1 or nurse$1 or 'family member') near$25 (communicate$3 or 'end$3' or transmit$4 or transmission or error$4) and (input$1 or 'keyboard' or keypad$1 or keyboards$1) and (screen$1 or monitor$1 or output$4 or display$3 or aural$2 or speakers$1 or mouse$1 or panel$1 or message$1 or audible$1), patient$1 and (nurse$1 or caregivers$1 or doctor$1 or hospitals$1) near$25 (message$1 or indicate$4 or display$3 or monitor$1 or screen$1 or not$1 or 7 or color$1 or flash$3 or shade$3) near$25 (emergency or urgent or urgency) and (computers$1 or laptop$1 or 'PDA' or pager$1 or cellular$1 or 'mobile phone' or 'mobile telephone' or telephones$1)
**INTERNATIONAL SEARCH REPORT**

**PCT/US05/39107**

**Box No. H Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(1)(a) for the following reasons:

1. □ [ ] Claims Nos...
   because they relate to subject matter not required to be searched by this Authority, namely.

2. □ [ ] Claims Nos...
   because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be earned out, specifically:

3. □ [ ] Claims Nos...
   because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1. □ [ ] As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. □ [ ] As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees.

3. □ [ ] As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos...

4. □ [ ] No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims. It is covered by claims Nos.

**Remark on Protest**

- □ [ ] The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee
- □ [ ] The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- □ [ ] No protest accompanied the payment of additional search fees.

Form PCT/ISA/2 10 (continuation of first sheet(2)) (April 2005)