Title: SYSTEM-RESOURCE-BASED MULTI-MODAL INPUT FUSION

Abstract: A multi-modal input fusion (MMIF) (200) is made scalable based on the number of resources available. When system resources are low, the MMIF module will limit the number of items in each set of related interpretations. Additionally, the number of sets generated can be increased or reduced based on an amount of system resources available. In order to accommodate the scalable MMIF module, a resource profile (205) is provided to the MMIF describing the amount of resources (memory, processing power, etc.) available, and/or an amount of resources the MMIF module can utilize. Based on the amount of resources the MMIF module calculates threshold values that are used to adjust the number of sets produced and the number of elements included within each set.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC:   G06F 17/27 (2006.01)
   USPC:  704/9,246,251
   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. : 704/9,246,251
   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)

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>Y</td>
<td>US 2003/0046087 (Johnson et al.), 06 March 2003 (06.03.2003), paragraph 5, 12, and 13</td>
<td>1, 3, 5, 7 - 19</td>
</tr>
<tr>
<td>Y</td>
<td>US 2003/0055644 (Johnston et al) 20 March 2003 (20.03.2003), paragraphs 5, 12, and 13</td>
<td>1, 3, 5, 7 - 19</td>
</tr>
</tbody>
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Further documents are listed in the continuation of Box C.

See patent family annex.

Date of the actual completion of the international search: 25 March 2008 (25.03.2008)
Date of mailing of the international search report: 09 APR 2008

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

Authorized officer
Richmond Dorvil
Telephone No. 5712724700

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