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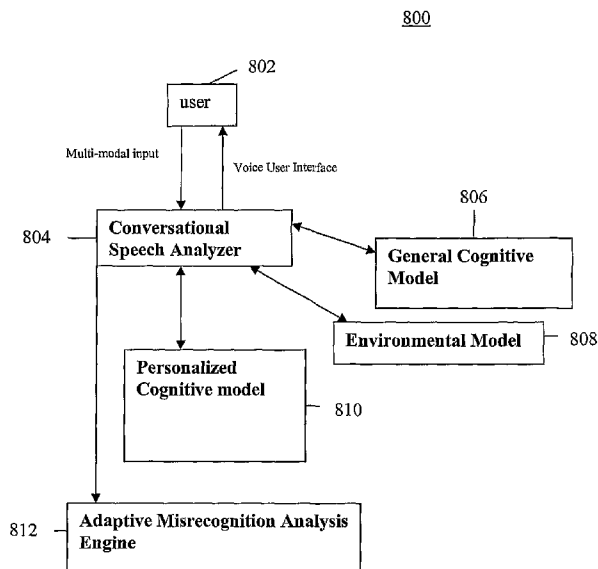
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(54) Title: SYSTEMS AND METHODS OF SUPPORTING ADAPTIVE MISRECOGNITION IN CONVERSATIONAL SPEECH



(57) Abstract: A system and method are provided for receiving speech and/or non-speech communications of natural language questions and/or commands and executing the questions and/or commands. The invention provides a conversational human-machine interface that includes a conversational speech analyzer, a general cognitive model, an environmental model, and a personalized cognitive model to determine context, domain knowledge, and invoke prior information to interpret a spoken utterance or a received non-spoken message. The system and method creates, stores and uses extensive personal profile information for each user, thereby improving the reliability of determining the context of the speech or non-speech communication and presenting the expected results for a particular question or command.

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<p>B. FIELDS SEARCHED</p> <p>Minimum documentation searched (classification system followed by classification symbols) USPC: 704/9</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC: 704/200; 704/251</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PubWEST(USPT, PGPB, EPAB, JPAB), GOOGLE SCHOLAR - terms: natural language recognition, non-speech, user profile or preference or personality</p>												
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <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 2004/0193420 A1 (KENNEWICK et al.) 30 September 2004 (30.09.2004), entire document.</td> <td>1-44</td> </tr> <tr> <td>A</td> <td>US 2002/0143535 A1 (KIST et al.) 03 October 2002 (03.10.2002), entire document.</td> <td>1-44</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 2004/0193420 A1 (KENNEWICK et al.) 30 September 2004 (30.09.2004), entire document.	1-44	A	US 2002/0143535 A1 (KIST et al.) 03 October 2002 (03.10.2002), entire document.	1-44	
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