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(54) Title: SYSTEM AND METHOD FOR A COOPERATIVE CONVERSATIONAL VOICE USER INTERFACE

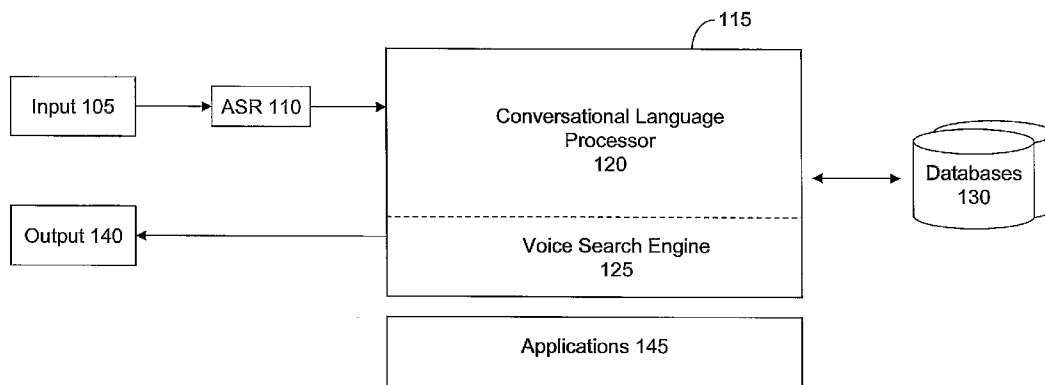


FIG. 1

(57) Abstract: A cooperative conversational voice user interface is provided. The cooperative conversational voice user interface may build upon short-term and long-term shared knowledge to generate one or more explicit and/or implicit hypotheses about an intent of a user utterance. The hypotheses may be ranked based on varying degrees of certainty, and an adaptive response may be generated for the user. Responses may be worded based on the degrees of certainty and to frame an appropriate domain for a subsequent utterance. In one implementation, misrecognitions may be tolerated, and conversational course may be corrected based on subsequent utterances and/or responses.

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USPC - 704/4

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B. FIELDS SEARCHED

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Google; Google Scholar; Google Patents; PubWest(PGPB,USPT,USOC,EPAB,JPAB);

Search Terms Used: voice, user, interface, cooperative conversational, human, machine, voice recognition, free form, natural, intuitive, utterance, shared knowledge, update, response, intended meaning, context, time, infer

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2004/0199375 A1 (EHSANI et al.) 07 October 2004 (07.10.2004), (para [0002], [0168]-[0169],[0210]-[0248])	1-42
Y	US 2005/0021334 A1 (IWAHASHI) 27 January 2005 (27.01.2005), (para [0042]-[0077])	1-42
A	US 5,377,350 A (SKINNER) 27 December 1994 (27.12.1994)	1-42

 Further documents are listed in the continuation of Box C.

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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