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(71) Applicant (for all designated States except US): **MO-TOROLA, INC.** [US/US]; 1303 East Algonquin Road, Schaumburg, Illinois 60196 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GROBLE, Michael, E.** [US/US]; 29 Pamela Road, Lake Zurich, Illinois 60047 (US). **MA, Changxue, C.** [US/US]; 4929 Lichfield Drive, Barrington, Illinois 60010 (US).

(74) Agents: **LAMB, James, A.** et al.; 1303 East Algonquin Road, Schaumburg, Illinois 60196 (US).

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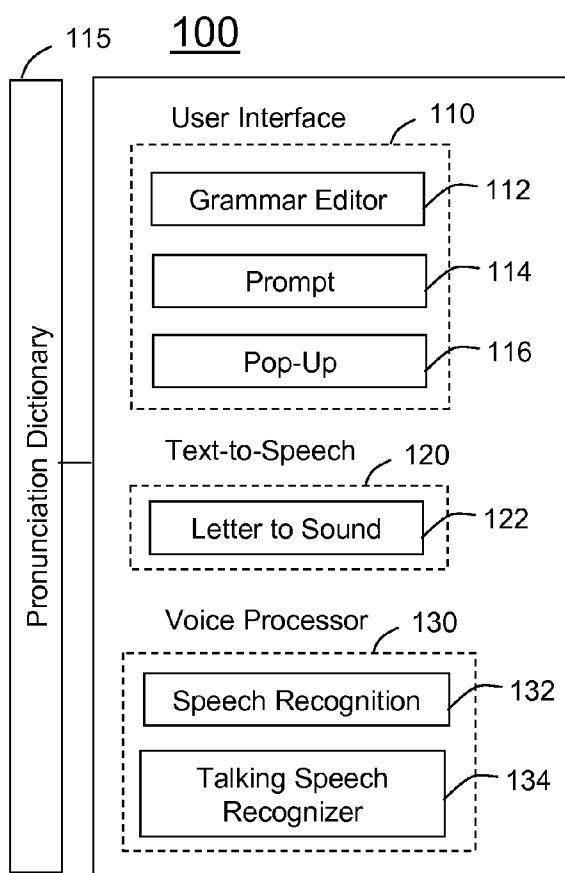
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[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR MANAGING PRONUNCIATION DICTIONARIES IN A SPEECH APPLICATION



(57) Abstract: A voice toolkit (100) and a method (700) for managing pronunciation dictionaries are provided. The visual toolkit can include a user-interface (110) for entering in a text and a corresponding spoken utterance, a text-to-speech system (120) for synthesizing a pronunciation from the text, a talking speech recognizer (132) for generating pronunciations of the spoken utterance, and a voice processor (130) for validating at least one pronunciation. A developer can type a text of a word into the toolkit and listen to the pronunciation to determine whether the pronunciation is acceptable. If the pronunciation is incorrect the developer can speak the word for providing a spoken utterance having a correct pronunciation.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G10L 13/08 (2007.10)

USPC - 704/260

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)
USPC: 704/260Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 704/200; 704/258 (view text search terms below)Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
pubWEST(PGPB,USPT,EPAB,JPAB); DialogPRO(Engineering); Google Scholar; Text search terms:
developing user interface, developing speech interface application, voice toolkit, managing pronunciation dictionaries, visual toolkit user interface text corresponding spoken utterance, text-to-speech system synthesizing

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X -- Y	US 2004/0225650 A1 (COOPER, et al.) 11 November 2004 (11.11.2004) entire document, especially Abstract, FIGS.27 and 36-37 and para [0008], [0071], [0077], [0105], [0550], [0593], [0595], [0745], [0834], [0925] and [0928]	1, 10-11, 13-14 ----- 2-9, 12, 15
Y	US 2004/0199375 A1 (EHSANI, et al.) 07 October 2004 (07.10.2004) entire document, especially Abstract and para [0209], [0213], [0217] and [0248]	2, 4-9, 12
Y	US 2005/0182629 A1 (COORMAN, et al.) 18 August 2005 (18.08.2005) entire document, especially Abstract, FIG.17 and para [0152]	3
Y	US 2002/0138265 A1 (STEVENS, et al.) 26 September 2002 (26.09.2002) entire document, especially Abstract and para [0169], [0179] and [0188]	15

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"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

"&" document member of the same patent family

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Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No: 571-273-3201

Authorized officer:

Lee W. Young

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774