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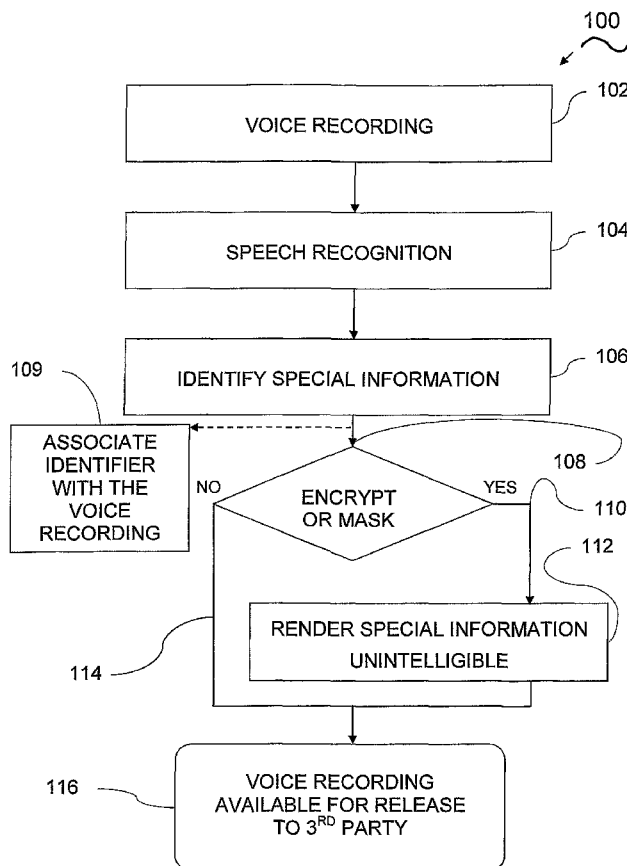
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(54) Title: SELECTIVE SECURITY MASKING WITHIN RECORDED SPEECH UTILIZING SPEECH RECOGNITION TECHNIQUES



(57) Abstract: Apparatuses and methods are described to secure information contained within voice recordings. A voice recording (step 102) is loaded into a data processing system (100), wherein the voice recording results from an utterance of a human during an interaction between the human and an interface of a business entity. The voice recording is processed to recognize at least one element of text in the voice recording (step 104). The data processing system determines if the at least one element of text represents special information that pertains to the human (step 106). A segment in the voice recording is rendered unintelligible if the at least one element of text represent special information that pertains to the human (step 108-112).

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FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,  
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,  
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *as to the applicant's entitlement to claim the priority of the  
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**INTERNATIONAL SEARCH REPORT**

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**A. CLASSIFICATION OF SUBJECT MATTER**

IPC: **GIOL 15/22( 2006.01)**

USPC: 704/273

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. : 704/273

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)  
EAST

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
<b>X</b> --- <b>Y</b>	US 2004/0181679 A1 (Dettinger et al.) 16 September 2004 (16.09.2004), [0031], [0032], [0037], [0042], and [0043]	1-5, 7, 9-18, 20-22, 24-37, 40-48, and 50
<b>Y</b>	US 2005/0238174 A1 (kreitzer) 27 October 2005 (27.10.2005), [0006]	8, 19, 39 6, 23, 38, 49

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

Special categories of cited documents	"T"
"A" document defining the general state of the art which is not considered to be of particular relevance	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
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"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
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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**INTERNATIONAL SEARCH REPORT**

International application No.

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**Box HI TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)**

Apparatuses and methods are described to secure information contained within voice recordings. A voice recording (step 102) is loaded into a data processing system (100), wherein the voice recording results from an utterance of a human during an interaction between the human and an interface of a business entity. The voice recording is processed to recognize at least one element of text in the voice recording (step 104). The data processing system determines if the at least one element of text represents special information that pertains to the human (step 106). A segment in the voice recording is rendered unintelligible if the at least one element of text represents special information that pertains to the human (step 108-112).