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(54) Title: SALES DATA GATHERING USING MOBILE PHONE

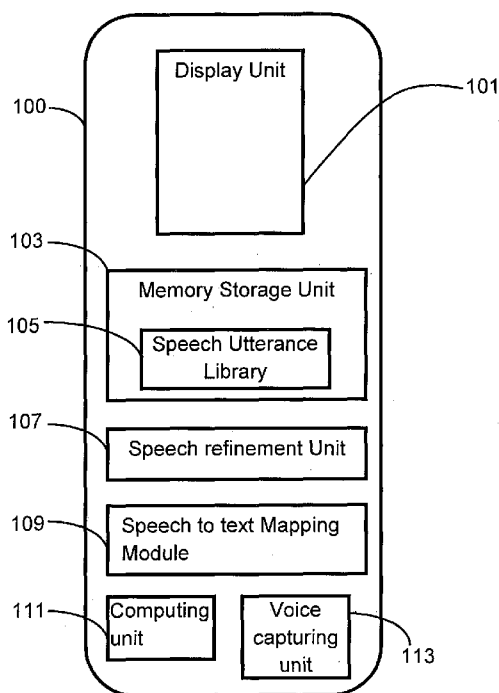


Figure 1

(57) Abstract: A method and apparatus for performing analysis on data collected at a point of sale is disclosed. The data from the point of sale is collected using voice recognition technique implemented on a mobile communication device. In order to enable this, a limited vocabulary word recognition technique is implemented using a set of libraries storing speech utterances in a memory storage unit present of the mobile communication device. Dynamic updating of module parameters associated with the stored speech utterances is enabled by a speech refinement unit of the mobile communication device. The device further enables local as well as regional data collation and analysis.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

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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)

MicroPatent (US-G, US-A, EP-A, EP-B, WO, JP-bib, DE-C,B, DE-A, DE-T, DE-U, GB-A, FR-A); MicroPatent (US-G, US-A, EP-A, EP-B, WO, JP-bib, DE-C,B, DE-A, DE-T, DE-U, GB-A, FR-A); ProQuest; IEEE; Google/Google Scholar; voice*, trigger*, command*, data*, acquisition*, retail*, commodity*, memory*, storage*, speech*, sample*, utterances*, user*, interface*, text*, match*, real-time*, audio*

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/0220835 A1 (BARNES, JR, M) 27 November 2003, Paragraphs [0029], [0034]-[0036], [0038], [0066], [0068], [0078], [0116]-[0120], [0180], [0222], [0223], [0230], [0257], [0259], [0317].	1-24
Y	US 5,027,406 A (ROBERTS, J et al.) 25 June 1991, Figures 1, 25, Column 13, Lines 44-60.	1-24
Y	US 7,092,929 B1 (DVORAK, R et al.) 15 August 2006, Figures 5, 36, Column 4, Lines 17-23, Column 5, Line 43-Column 6, Line 29, Column 46, Lines 23-33.	8, 17, 23
A	US 2010/0161446 A1 (ALFRED, J et al.) 24 June 2010, entire document.	1-24
A	US 2011/0125566 A1 (MCLAUGHLIN, Q et al.) 26 May 2011, entire document.	1-24

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