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— with international search report (Art. 21(3))

[Continued on next page]

(54) Title: DEVICE FOR EXTRACTING INFORMATION FROM A DIALOG

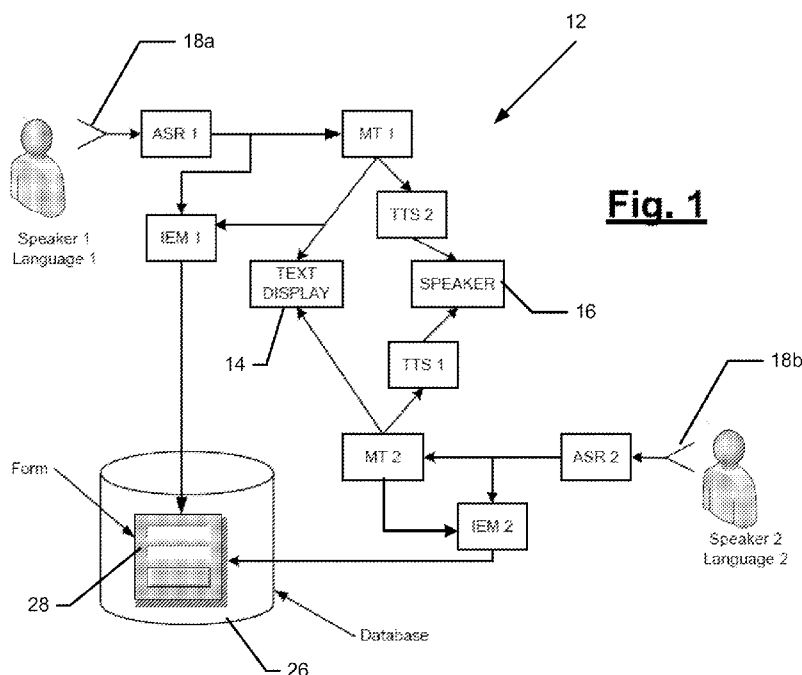


Fig. 1

(57) Abstract: Computer-implemented systems and methods for extracting information during a human-to-human mono-lingual or multi-lingual dialog between two speakers are disclosed. Information from either the recognized speech (or the translation thereof) by the second speaker and/or the recognized speech by the first speaker (or the translation thereof) is extracted. The extracted information is then entered into an electronic form stored in a data store.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2013/028831

A. CLASSIFICATION OF SUBJECT MATTER
INV. G10L15/26
ADD.

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)
G10L

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)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	NARAYANAN S ET AL: "Transonics: a speech to speech system for English-Persian interactions", AUTOMATIC SPEECH RECOGNITION AND UNDERSTANDING, 2003. ASRU '03. 2003 I EEE WORKSHOP ON ST. THOMAS, VI, USA NOV. 30-DEC. 3, 2003, PISCATAWAY, NJ, USA, IEEE, 30 November 2003 (2003-11-30), pages 670-675, XP010713230, DOI: 10.1109/ASRU.2003.1318520 ISBN: 978-0-7803-7980-0 page 670, paragraph [2. System Overview] page 671, right-hand column, last paragraph page 672, paragraph [4. DM] - page 674, paragraph [5. ASR] figures 1-3; tables 1-3 ----- -/--	1-33, 39-45, 51-55

Further documents are listed in the continuation of Box C.

See patent family annex.

* 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
- "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)
- "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

Date of the actual completion of the international search 8 May 2013	Date of mailing of the international search report 02/10/2013
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Greiser, Norbert
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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2013/028831

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	I. Azzini ET AL: "Application of Spoken Dialogue Technology in a Medical Domain" In: "Text, Speech and Dialogue", 1 January 2006 (2006-01-01), Springer Berlin Heidelberg, Berlin, Heidelberg, XP055062017, ISBN: 978-3-54-044129-8 vol. 2448, pages 449-452, DOI: 10.1007/3-540-46154-X_64, abstract page 450, paragraph [2 Dialogue System] -----	1-33, 39-45, 51-55
A	IVANO AZZINI ET AL: "First steps toward an adaptive spoken dialogue system in medical domain", EUROSPEECH 2001, SCANDINAVIA, vol. 2, 1 January 2001 (2001-01-01), page 1327, XP007004590, abstract page 3, paragraph [3. System Architecture] - page 4, paragraph [3.1. Dialogue Examples] figure 2 -----	1,13,24, 51
A	MATTHIAS ECK ET AL: "Jibbiggo: Speech-to-speech translation on mobile devices", SPOKEN LANGUAGE TECHNOLOGY WORKSHOP (SLT), 2010 IEEE, IEEE, PISCATAWAY, NJ, USA, 12 December 2010 (2010-12-12), pages 165-166, XP031859601, ISBN: 978-1-4244-7904-7 page 165, left-hand column, paragraph 1-2 page 166, right-hand column, paragraph 4-5 figure 1 -----	1,13,24, 51

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2013/028831

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-33, 39-45, 51-55

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-33, 39-45, 51-55

Device for extracting information from a human-to-human dialogue

2. claims: 34-38, 46-50

Computer-implemented method for resolving ambiguity in a speech translation
