



- (51) International Patent Classification:
G10L 15/00 (2013.01)
- (21) International Application Number:
PCT/US2015/033067
- (22) International Filing Date:
28 May 2015 (28.05.2015)
- (25) Filing Language:
English
- (26) Publication Language:
English
- (30) Priority Data:
14/289,617 28 May 2014 (28.05.2014) US
- (71) Applicant (for all designated States except US): ALIPH-COM [US/US]; Third Floor, 99 Rhode Island Street, San Francisco, California 94103 (US).
- (72) Inventor; and
- (71) Applicant : DONALDSON, Thomas Alan [US/GB]; Drews Cottage Newmarket, Nailsworth Gloucestershire GL6 0RJ (GB).
- (74) Agents: KOKKA & BACKUS, PC et al.; 703 High Street, Palo Alto, California 94301 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

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

(88) Date of publication of the international search report:
17 March 2016

(54) Title: SPEECH SUMMARY AND ACTION ITEM GENERATION

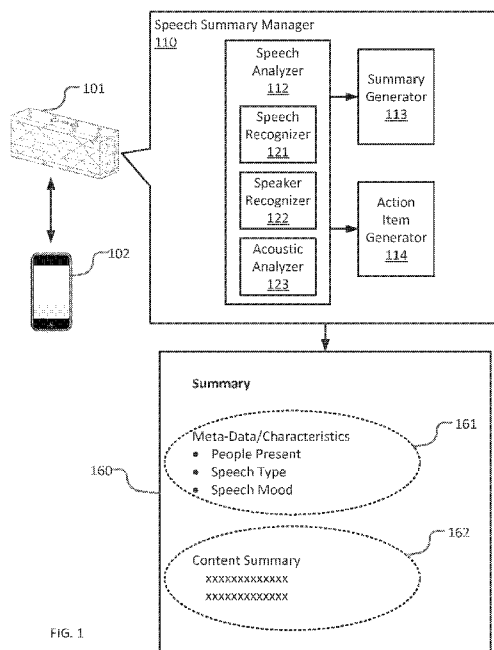


FIG. 1

(57) Abstract: Techniques for generating summaries and action items associated with speech are described. Disclosed are techniques for receiving data representing an audio signal including speech, determining one or more words associated with the speech, determining one or more vocal fingerprints associated with the speech, and identifying a keyword associated with the speech using the one or more words and the one or more vocal fingerprints. Presentation of the keyword may be made at a loudspeaker, a display, another user interface, and the like. A summary, including meta-data and a content summary, may be generated from one or more keywords, and the summary may be presented to a user.

WO 2015/184196 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 15/33067

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - G10L 15/00 (2015.01) CPC - G10L 15/22; G10L 15/265; G10L 15/08 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) IPC(8): G10L 15/00 (2015.01) CPC: G10L 15/22; G10L 15/265; G10L 15/08 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC: 704/251; 704/246; 704/231 (Keyword limited; terms below); IPC(8): G10L 15/00 (2015.01) (Keyword limited; terms below); CPC: G10L 15/22; G10L 15/265; G10L 15/08; G10L 15/063; H05K 999/99 (Keyword limited; terms below)		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PatBase; Google (Scholar, Patents, Web) Terms used: audio signal speech detect vocal signature fingerprint keyword display presentation acoustic-property amplitude tone rhythm duration significance count words weight summary metadata compare user-profile identify-speaker sentence event calendar task-list		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2009/0306981 A1 (CROMACK et al.), 10 December 2009 (10.12.2009), entire document, especially Abstract; para [0010], [0038], [0068]-[0070], [0074], [0077], [0080]-[0081], [0085], [0089]-[0092], [0095]	1-4, 6-7, 9, 11-12, 15-18, 20
Y		5, 8, 10, 13-14, 19
Y	US 2008/0240379 A1 (MAISLOS et al.), 02 October 2008 (02.10.2008), entire document, especially Abstract; para [0022], [0037], [0043], [0187], [0198]-[0199]	5, 8, 10, 19
Y	US 2006/0217967 A1 (GOERTZEN et al.), 28 September 2006 (28.09.2006), entire document, especially Abstract; para [0012], [0053]-[0054], [0066]	13-14
A	US 2006/0122834 A1 (BENNETT), 08 June 2006 (08.06.2006), entire document	1-20
A	US 2011/0208524 A1 (HAUGHAY et al.), 25 August 2011 (25.08.2011), entire document	1-20
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Date of the actual completion of the international search 05 October 2015 (05.10.2015)		Date of mailing of the international search report 24 NOV 2015
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. 571-273-8300		Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774