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- (71) Applicant: **GOOGLE LLC** [US/US]; 1600 Amphitheatre Parkway, Mountain View, California 94043 (US).
- (72) Inventors: **BURD, Emily**; 1600 Amphitheatre Parkway, Mountain View, California 94043 (US). **SHARMA, Akshat**; 1600 Amphitheatre Parkway, Mountain View, California 94043 (US).
- (74) Agent: **PORTNOVA, Marina** et al.; LOWENSTEIN SANDLER LLP, One Lowenstein Drive, Roseland, New Jersey 07068 (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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD,

(54) Title: POLLING QUESTIONS FOR A CONFERENCE CALL DISCUSSION

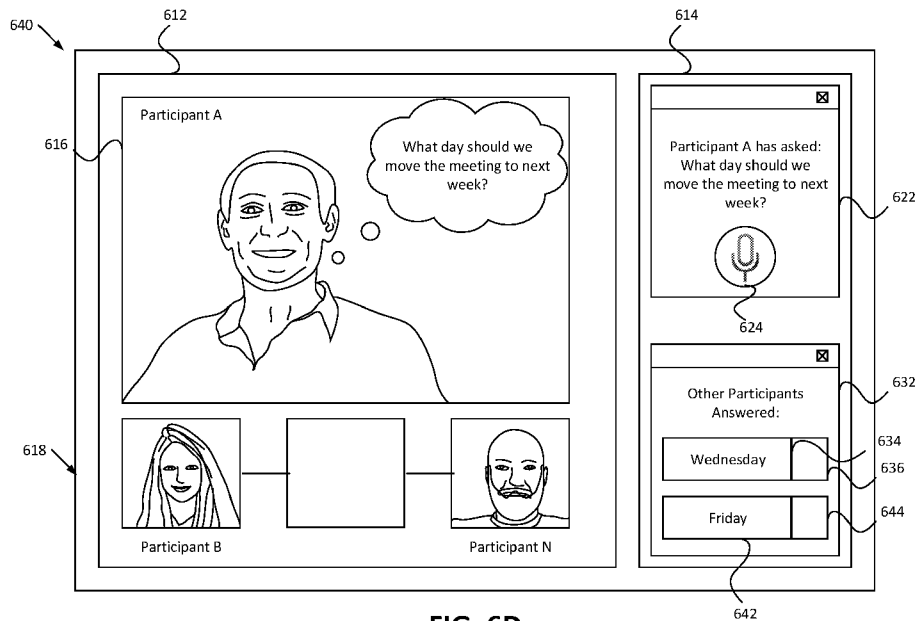


FIG. 6D

(57) Abstract: Systems and methods for recognizing polling questions from a conference call discussion are provided. One or more text strings including a textual form of one or more verbal phrases provided by one or more participants of a conference call are identified. The one or more text strings are provided as input to a trained machine learning model. One or more outputs from the trained machine learning model are obtained. A level of confidence that a verbal phrase of the one or more verbal phrase provided by the one or more participants includes a question associated with polling during the conference call is extracted from the one or more outputs. In response to a determination that the level of confidence satisfies a confidence criterion, the verbal phrase is designated as a polling question presented during the conference call. Identify participant posing the poll question or providing verbal answer the polling question and notify the polling question to another participant via Graphical User Interface.



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, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

- *with international search report (Art. 21(3))*
- *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))*

(88) Date of publication of the international search report:

24 February 2022 (24.02.2022)

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2021/039668

A. CLASSIFICATION OF SUBJECT MATTER
INV. H04M3/56 G06Q30/02 G10L25/00
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)
H04M G10L G06Q

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, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2018/232752 A1 (BADEREDDIN ALI [US] ET AL) 16 August 2018 (2018-08-16)	1-5, 8-12
A	abstract figures 1, 2, 4-9, 11, 12 paragraph [0002] - paragraph [0005] paragraph [0007] paragraph [0023] - paragraph [0033] paragraph [0047] paragraph [0050] - paragraph [0051] paragraph [0150] ----- -/--	7

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

Date of the actual completion of the international search 11 January 2022	Date of mailing of the international search report 20/01/2022
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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 Molinari, Fausto
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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2021/039668

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2018/359530 A1 (MARLOW JENNIFER [US] ET AL) 13 December 2018 (2018-12-13)	1-6, 8-12
A	abstract figures 1-4 paragraph [0003] paragraph [0006] - paragraph [0009] paragraph [0030] - paragraph [0032] paragraph [0081] - paragraph [0093] -----	7
X	US 2002/085030 A1 (GHANI JAMAL [US]) 4 July 2002 (2002-07-04) abstract figures 2-7 paragraph [0004] - paragraph [0007] paragraph [0068] paragraph [0088] - paragraph [0092] paragraph [0156] - paragraph [0162] paragraph [0170] - paragraph [0171] claims 1, 3 -----	13-22

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2021/039668

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.:

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: 1-12

Automatic recognition of polling questions from a conference call discussion

2. claims: 13-22

GUI to facilitate polling service amongst call participants

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2021/039668

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2018232752 A1	16-08-2018	AU 2017399710 A1	03-10-2019
		EP 3583566 A1	25-12-2019
		US 2018232752 A1	16-08-2018
		WO 2018151781 A1	23-08-2018

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		US 2018359530 A1	13-12-2018

US 2002085030 A1	04-07-2002	NONE	
