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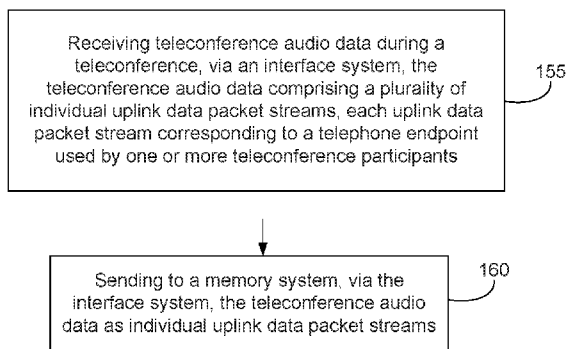
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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: POST-CONFERENCE PLAYBACK SYSTEM HAVING HIGHER PERCEIVED QUALITY THAN ORIGINALLY HEARD IN THE CONFERENCE



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Figure 1C

(57) Abstract: Some aspects of the present disclosure involve the recording, processing and playback of audio data corresponding to conferences, such as teleconferences. In some teleconference implementations, the audio experience heard when a recording of the conference is played back may be substantially different from the audio experience of an individual conference participant during the original teleconference. In some implementations, the recorded audio data may include at least some audio data that was not available during the teleconference. In some examples, the spatial characteristics of the played-back audio data may be different from that of the audio heard by participants of the teleconference.





— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

(88) Date of publication of the international search report:
3 November 2016

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

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2016/016359

A. CLASSIFICATION OF SUBJECT MATTER
INV. H04L29/06 H04M3/56 H04M15/00
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 H04L

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 2005/240656 A1 (BLAIR CHRISTOPHER D [GB]) 27 October 2005 (2005-10-27) abstract paragraphs [1921], [0024], [0025], [0041] - [0044], [0057], [0058], [0109], [0110], [0116] -----	1-11, 13-15, 17-19, 21-23, 25,26, 33,39-42
A	US 5 787 253 A (MCCREERY TIMOTHY DAVID [US] ET AL) 28 July 1998 (1998-07-28) abstract page 10, lines 1-19 -----	3,4

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 19 May 2016	Date of mailing of the international search report 11/08/2016
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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 Roche, Nicolas
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2016/016359

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.:
1-11, 13-15, 17-19, 21-23, 25, 26, 33, 39-42

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: 1-11, 13-15, 17-19, 21-23, 25, 26, 33, 39-42

In an audio conference, management of lost/missed packets that arrived too late for being live streamed, for the purpose of recording the audio conference.

2. claims: 27-32, 34-38, 43-46

Indexation and analysis of an audio stream for the purpose of speech recognition and generation of a speaker diary.

3. claims: 12, 16, 20, 24

One packet stream corresponds to a plurality of participants and includes spatial information regarding each participant.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2016/016359

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2005240656	A1	27-10-2005	
		EP 1360799 A1	12-11-2003
		US 2005240656 A1	27-10-2005
		WO 02065704 A1	22-08-2002

US 5787253	A	28-07-1998	NONE
