ABSTRACT

A transmission management system includes a destination name data managing unit which manages a plurality of destination name data items which indicate a plurality of names of a destination in communications between transmission terminals, a destination name data reading unit which reads a destination name data item from the plurality of destination name data items managed by the destination name data managing unit, and a destination name data transmitting unit which transmits the destination name data item read by the destination name data reading unit to a transmission terminal capable of communicating with the destination.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	533961US
	Application Number	New Application
Title of Invention	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Kaoru		MAEDA	

Residence Information	Non US Residency		
City	Kanagawa	Country of Residence	JP

Mailing Address of Inventor:

Address 1	c/o Ricoh Company, Ltd.		
Address 2	3-6, Nakamagome 1-chome		
City	Ohta-ku	State/Province	Tokyo
Postal Code	143-8555	Country	JP

Inventor 2

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Takahiro		ASAI	

Residence Information	Non US Residency		
City	Kanagawa	Country of Residence	JP

Mailing Address of Inventor:

Address 1	c/o Ricoh Company, Ltd.		
Address 2	3-6, Nakamagome 1-chome		
City	Ohta-ku	State/Province	Tokyo
Postal Code	143-8555	Country	JP

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 2 of 270

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	533961US
	Application Number	New Application
Title of Invention	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM	

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	22850
Email Address	oblonpat@oblon.com

Application Information:

Title of the Invention	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM		
Attorney Docket Number	533961US	**Small Entity Status Claimed**	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	22	**Suggested Figure for Publication (if any)**	

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	■ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	22850		

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 3 of 270

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	533961US
	Application Number	New Application
Title of Invention	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM	

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.
When referring to the current application, please leave the application number blank.

Prior Application Status	Pending		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation of	16/291,842	2019-03-04

Prior Application Status	Patented				
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
16/291,842	Continuation of	15/290,917	2016-10-11	10,270,837	2019-04-23

Prior Application Status	Patented				
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15/290,917	Continuation of	14/417,868	2015-01-28	9,661,057	2017-05-23

Prior Application Status	Expired		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
14/417,868	a 371 of international	PCT/JP13/70953	2013-07-26

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Application Number	Country	Filing Date (YYYY-MM-DD)	Access Code (if applicable)
2012-171192	JP	2012-08-01	

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
NOTE: By providing this statement under 37 CFR 1.55 or 1.78 this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	533961US
		Application Number	New Application
Title of Invention	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM		

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant must opt-out of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	533961US
	Application Number	New Application
Title of Invention	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM	

inventors who are also the applicant should be identified in this section.

■ Assignee	☐ Legal Representative under 35 U.S.C. 117	☐ Joint Inventor
☐ Person to whom the inventor is obligated to assign.	☐ Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :	

If the Applicant is an Organization check here. ■

Organization Name	Ricoh Company, Ltd.

Mailing Address Information For Applicant:

Address 1	3-6, Nakamagome 1-chome, Ohta-ku		
Address 2			
City	Tokyo	**State/Province**	
Country	JP	Postal Code	143-8555
Phone Number		Fax Number	
Email Address			

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	**Given Name**	**Middle Name**	**Family Name**	**Suffix**

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1			
Address 2			
City		**State/Province**	
Country		Postal Code	
Phone Number		Fax Number	
Email Address			

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 6 of 270

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	533961US
		Application Number	New Application
Title of Invention	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM		

Signature:

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). **However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).**

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Sameer Gokhale/			Date (YYYY-MM-DD)	2020-11-25
First Name	Sameer	Last Name	Gokhale	Registration Number	62,618

CLAIM

Claim 1. A transmission management system comprising:

a destination name data managing unit configured to manage a plurality of destination name data items which indicate a plurality of names of a destination in communications between transmission terminals;

a destination name data reading unit configured to read at least one destination name data item from among the plurality of destination name data items managed by the destination name data managing unit; and

a destination name data transmitting unit configured to transmit the at least one destination name data item read by the destination name data reading unit, to a transmission terminal which is capable of communicating with the destination.

FIG.1

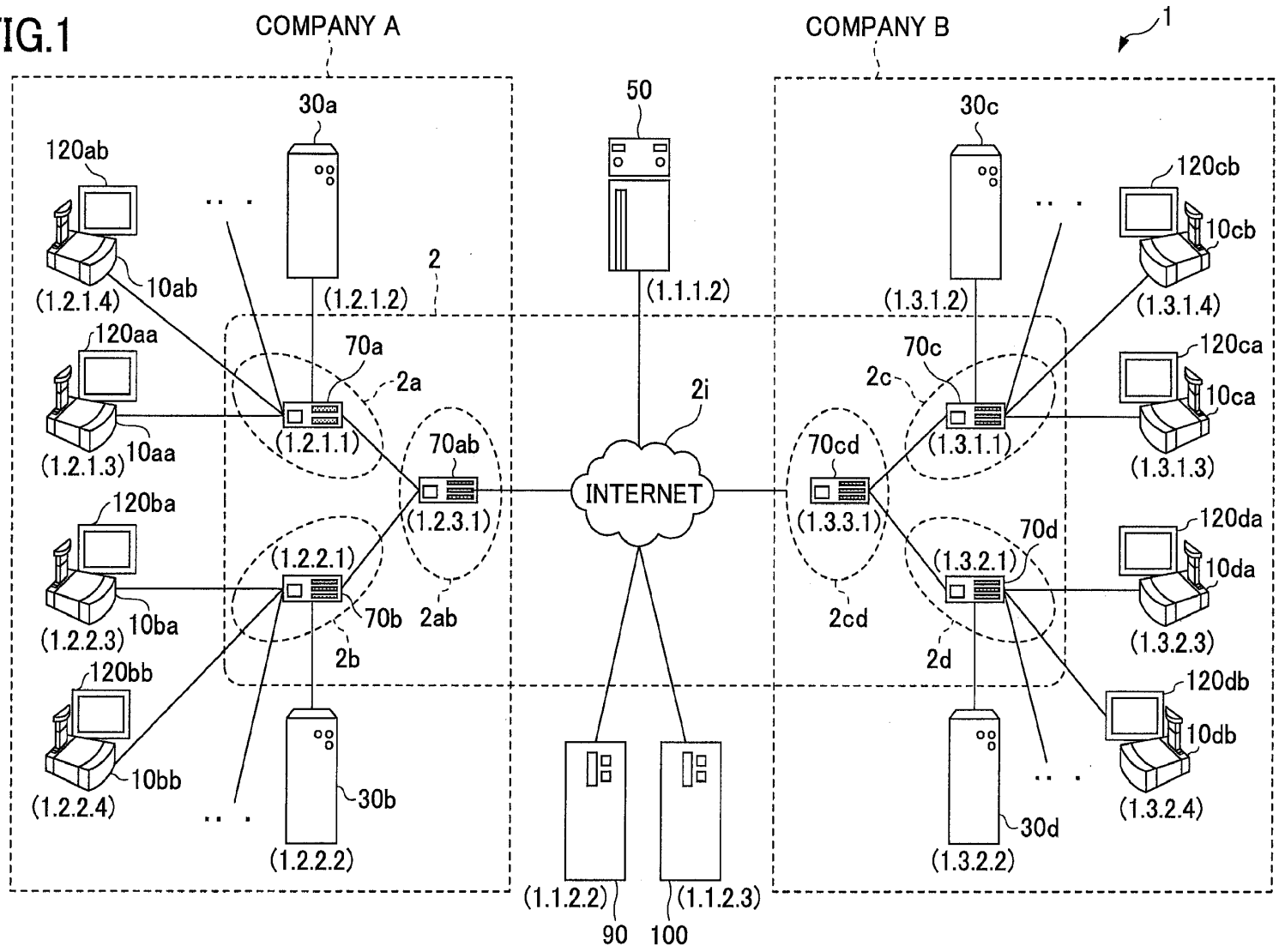

COMPANY A
COMPANY B
1
50
30a
30c
120ab
120cb
10cb
10ab
(1.2.1.4)
(1.2.1.2)
2
(1.1.1.2)
(1.3.1.2)
(1.3.1.4)
120aa
70a
70c
120ca
2a
2c
2i
10ca
(1.2.1.3)
10aa
(1.2.1.1)
70ab
70cd
(1.3.1.1)
(1.3.1.3)
120ba
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(1.2.3.1)
(1.3.3.1)
120da
(1.2.2.1)
70d
10da
(1.3.2.1)
(1.2.2.3)
10ba
70b
2ab
2cd
2b
2d
(1.3.2.3)
120bb
120db
10db
10bb
(1.2.2.4)
30b
30d
(1.3.2.4)
(1.2.2.2)
(1.3.2.2)
(1.1.2.2)
(1.1.2.3)
90
100

FIG.2

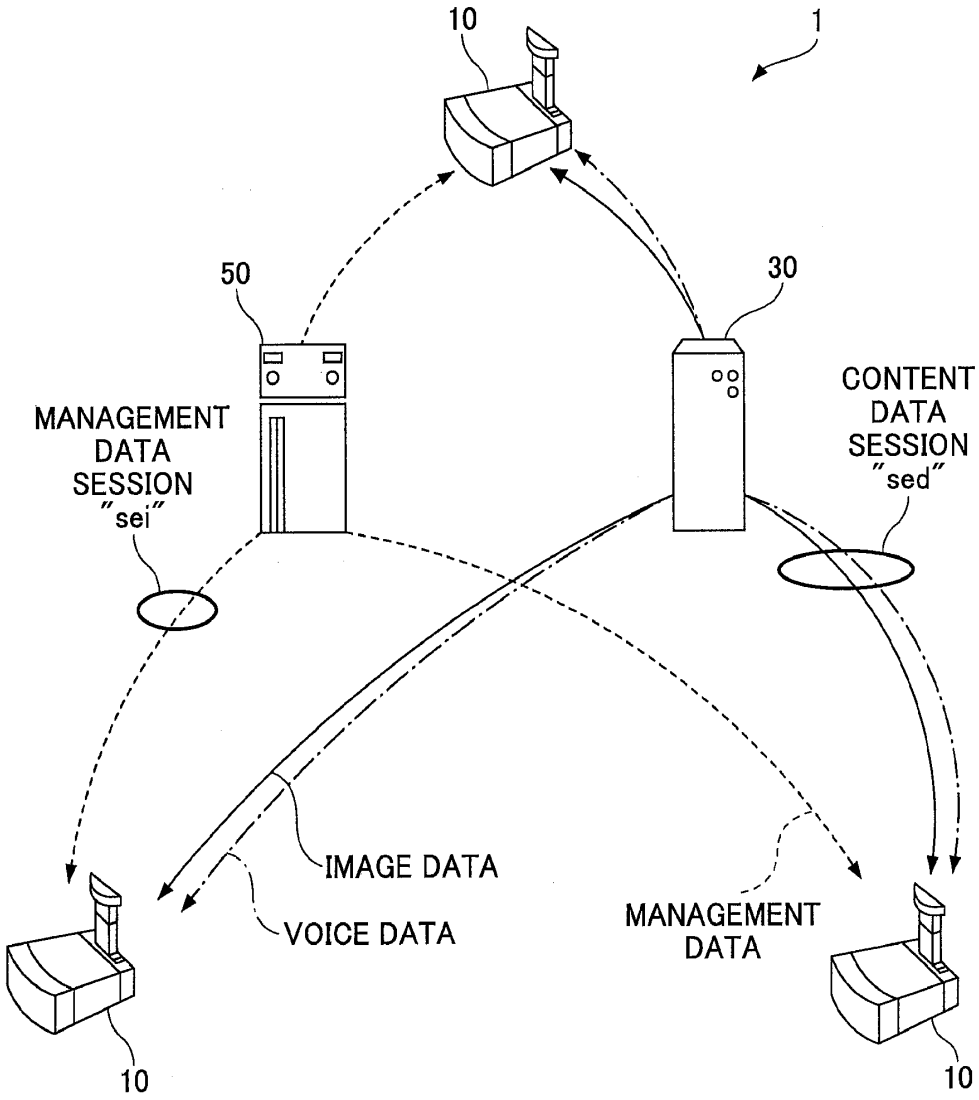

10
1
50
30
MANAGEMENT DATA SESSION "sei"
CONTENT DATA SESSION "sed"
IMAGE DATA
VOICE DATA
MANAGEMENT DATA
10
10

FIG.3

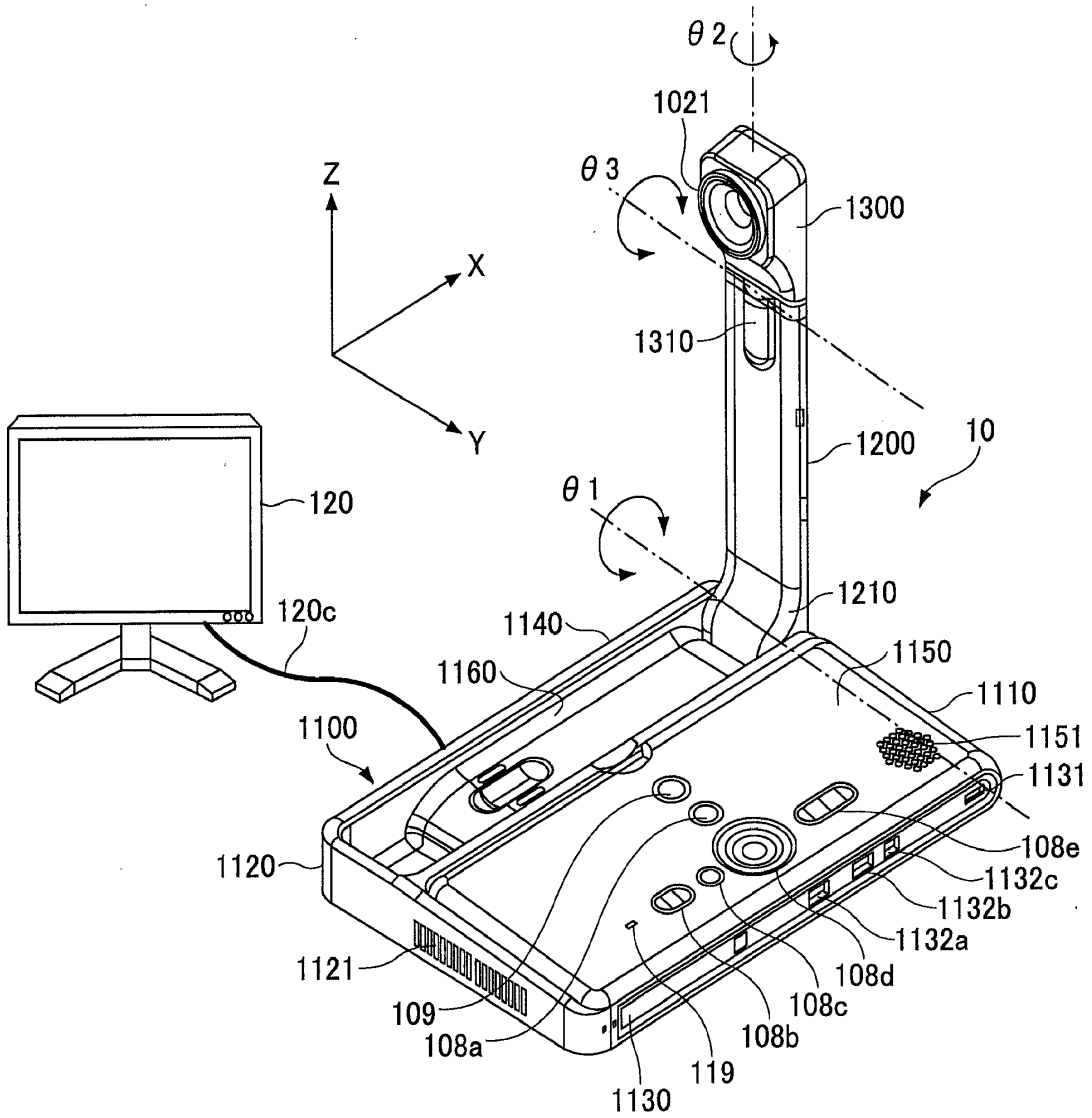

θ 2
1021
θ 3
Z
X
Y
1300
1310
1200
10
θ 1
120
1210
120c
1140
1150
1160
1110
1100
1151
1131
1120
108e
1132c
1132b
1132a
1121
108d
109
108c
108a
108b
119
1130

FIG.4

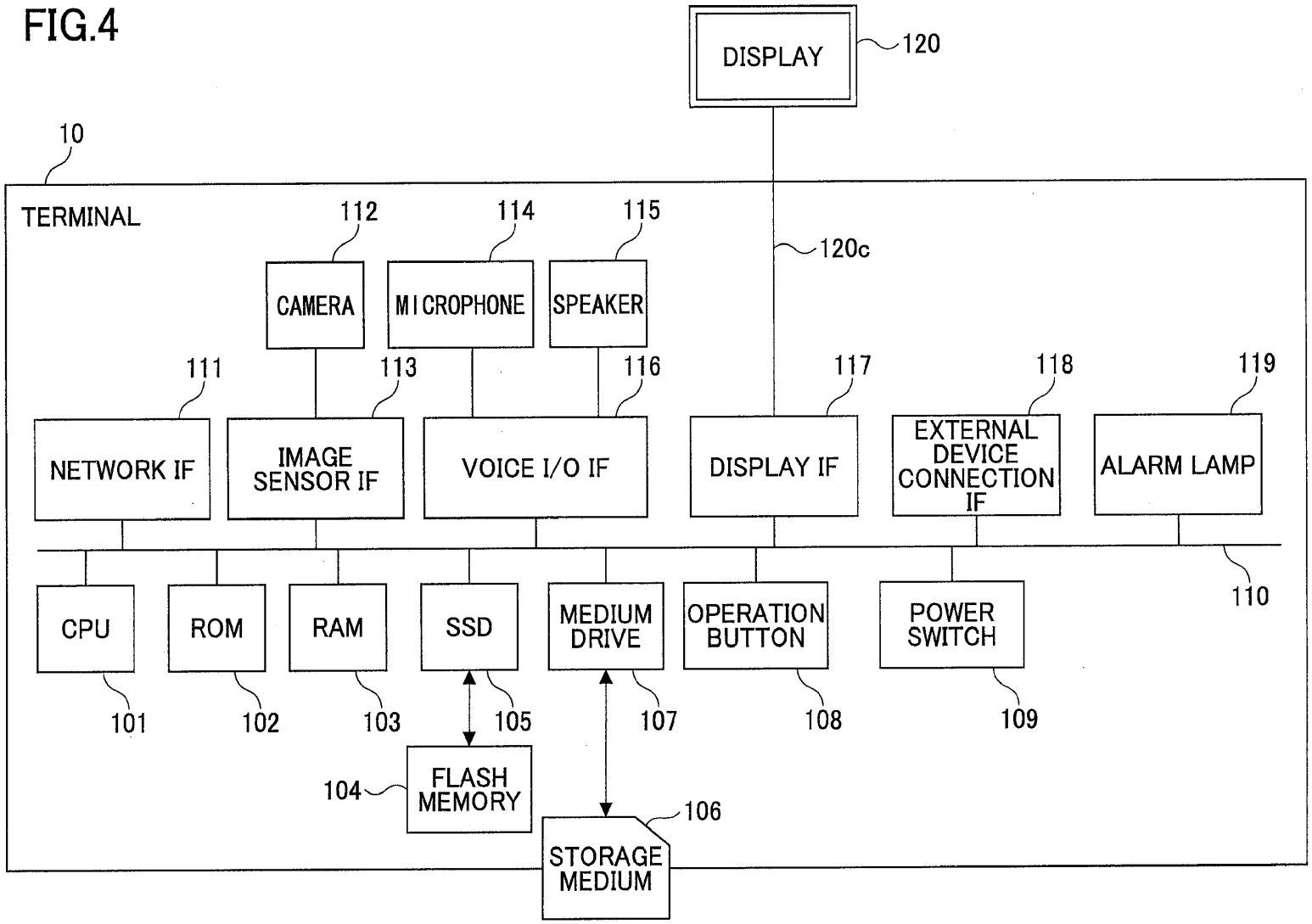

DISPLAY
120
10
TERMINAL
112
114
115
120c
CAMERA
MICROPHONE
SPEAKER
111
113
116
117
118
119
NETWORK IF
IMAGE SENSOR IF
VOICE I/O IF
DISPLAY IF
EXTERNAL DEVICE CONNECTION IF
ALARM LAMP
110
CPU
ROM
RAM
SSD
MEDIUM DRIVE
OPERATION BUTTON
POWER SWITCH
101
102
103
105
107
108
109
104
FLASH MEMORY
106
STORAGE MEDIUM

FIG.5

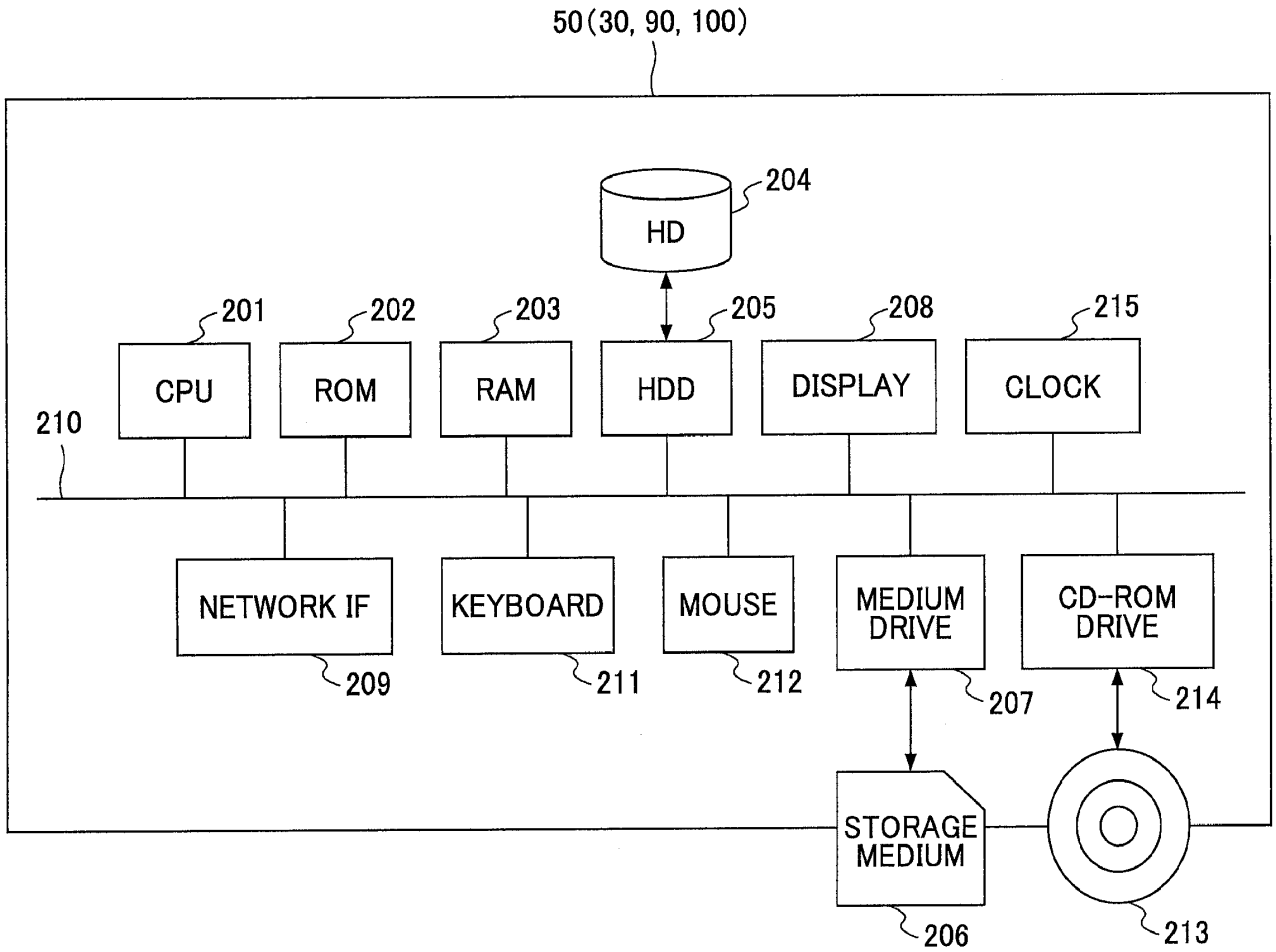

50(30, 90, 100)
HD
204
201
202
203
205
208
215
CPU
ROM
RAM
HDD
DISPLAY
CLOCK
210
NETWORK IF
KEYBOARD
MOUSE
MEDIUM DRIVE
CD-ROM DRIVE
209
211
212
207
214
STORAGE MEDIUM
206
213

FIG.6

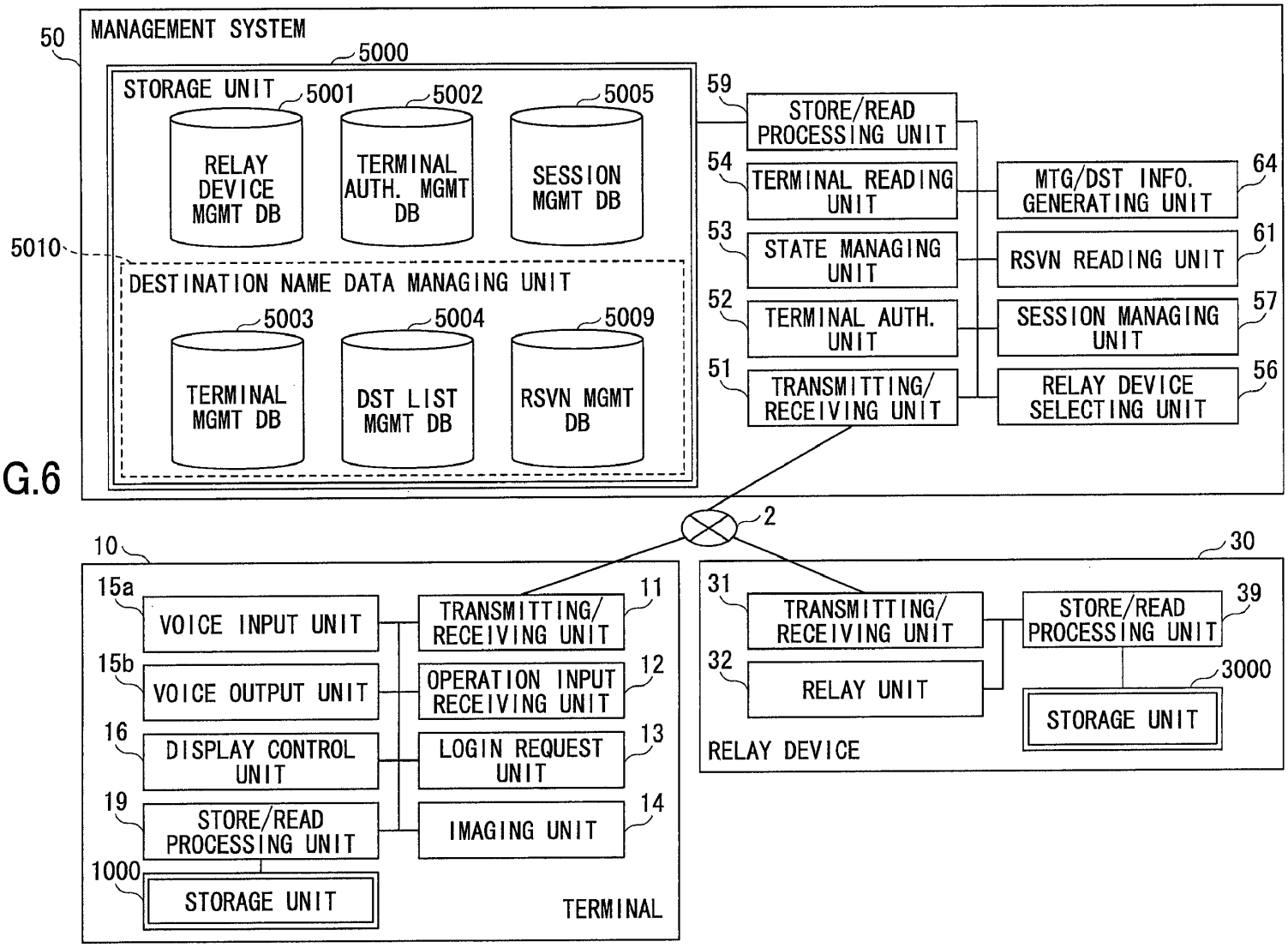

50
MANAGEMENT SYSTEM
5000
STORAGE UNIT
5001
5002
5005
RELAY DEVICE MGMT DB
TERMINAL AUTH. MGMT DB
SESSION MGMT DB
5010
DESTINATION NAME DATA MANAGING UNIT
5003
5004
5009
TERMINAL MGMT DB
DST LIST MGMT DB
RSVN MGMT DB
59
STORE/READ PROCESSING UNIT
54
TERMINAL READING UNIT
53
STATE MANAGING UNIT
52
TERMINAL AUTH. UNIT
51
TRANSMITTING/ RECEIVING UNIT
64
MTG/DST INFO. GENERATING UNIT
61
RSVN READING UNIT
57
SESSION MANAGING UNIT
56
RELAY DEVICE SELECTING UNIT
2
10
15a
VOICE INPUT UNIT
15b
VOICE OUTPUT UNIT
16
DISPLAY CONTROL UNIT
19
STORE/READ PROCESSING UNIT
1000
STORAGE UNIT
11
TRANSMITTING/ RECEIVING UNIT
12
OPERATION INPUT RECEIVING UNIT
13
LOGIN REQUEST UNIT
14
IMAGING UNIT
TERMINAL
30
31
TRANSMITTING/ RECEIVING UNIT
32
RELAY UNIT
39
STORE/READ PROCESSING UNIT
3000
STORAGE UNIT
RELAY DEVICE

FIG.7

RELAY DEVICE ID	RELAY DEVICE IP ADDRESS
111a	1.2.1.2
111b	1.2.2.2
111c	1.3.1.2
111d	1.3.2.2

FIG.8

TERMINAL ID	PASSWORD
01aa	aaaa
01ab	abab
01ba	baba
...	...

FIG.9

SESSION ID	RESERVATION ID	RELAY DEVICE ID	TERMINAL ID
se01	rsv02	111a	01ba, 01db
se02	rsv06	111b	01bd
se03	rsv08	111c	01ae, 01dc
...	...	...	...

FIG.10

SOURCE TERMINAL ID	DESTINATION TERMINAL ID	DESTINATION NAME DATA (FIRST DST NAME DATA)
01aa	01ab	XX SALES PROJECT TEAM
01aa	01ba	OSAKA YY PLANNING TEAM
01aa	01bb	OSAKA ZZ SALES TEAM
01aa	01ca	COMPANY B, NEW YORK
01aa	01db	COMPANY B, WASHINGTON D.C
...	...	...
01ba	01aa	TOKYO KK SALES PROJECT TEAM
01ba	01db	COMPANY B, WASHINGTON D.C.
...	...	...
01db	01aa	TOKYO HQ, A INC.
01db	01ba	OSAKA BO, A INC.
01db	01ca	LL DEVELOPMENT, NEW YORK
...	...	...

FIG.11A

RSVN ID	START DATE/TIME	END DATE/TIME	MEETING NAME
rsv01	2011/11/10 10:00	2011/11/10 11:30	SALES MEETING
rsv02	2011/11/10 13:30	2011/11/10 14:50	MONTHLY MEETING (NOV.)
rsv03	2011/11/10 15:00	2011/11/10 17:00	SECURITY MEETING
...	...	...	...

FIG.11B

RSVN ID	TERMINAL ID	DESTINATION NAME DATA (SECOND DSTN NAME DATA)
rsv01	01aa	TOKYO KK SALES PROJECT TEAM
rsv01	01ba	OSAKA YY PLANNING TEAM
rsv02	01aa	TOKYO
rsv02	01ba	OSAKA
rsv02	01db	WASHINGTON D.C.
...	...	...

FIG.12

TERMINAL ID	OPERATING STATE	IP ADDRESS	DESTINATION NAME DATA (THIRD DSTN NAME DATA)
01aa	ONLINE	1.2.1.3	03-1234-○○○○
01ab	DURING MTG	1.2.1.4	03-1234-△△△△
...	...	...	...
01ba	DURING MTG	1.2.2.3	06-1234-○○○○
01bb	ONLINE	1.2.2.4	06-1234-△△△△
...	...	...	...
01ca	OFF LINE	1.3.1.3	212-123-○○○○
01cb	ONLINE	1.3.1.4	212-123-△△△△
...	...	...	...
01da	DURING MTG	1.3.2.3	202-123-○○○○
01db	DURING MTG	1.3.2.4	202-123-△△△△
...	...	...	...

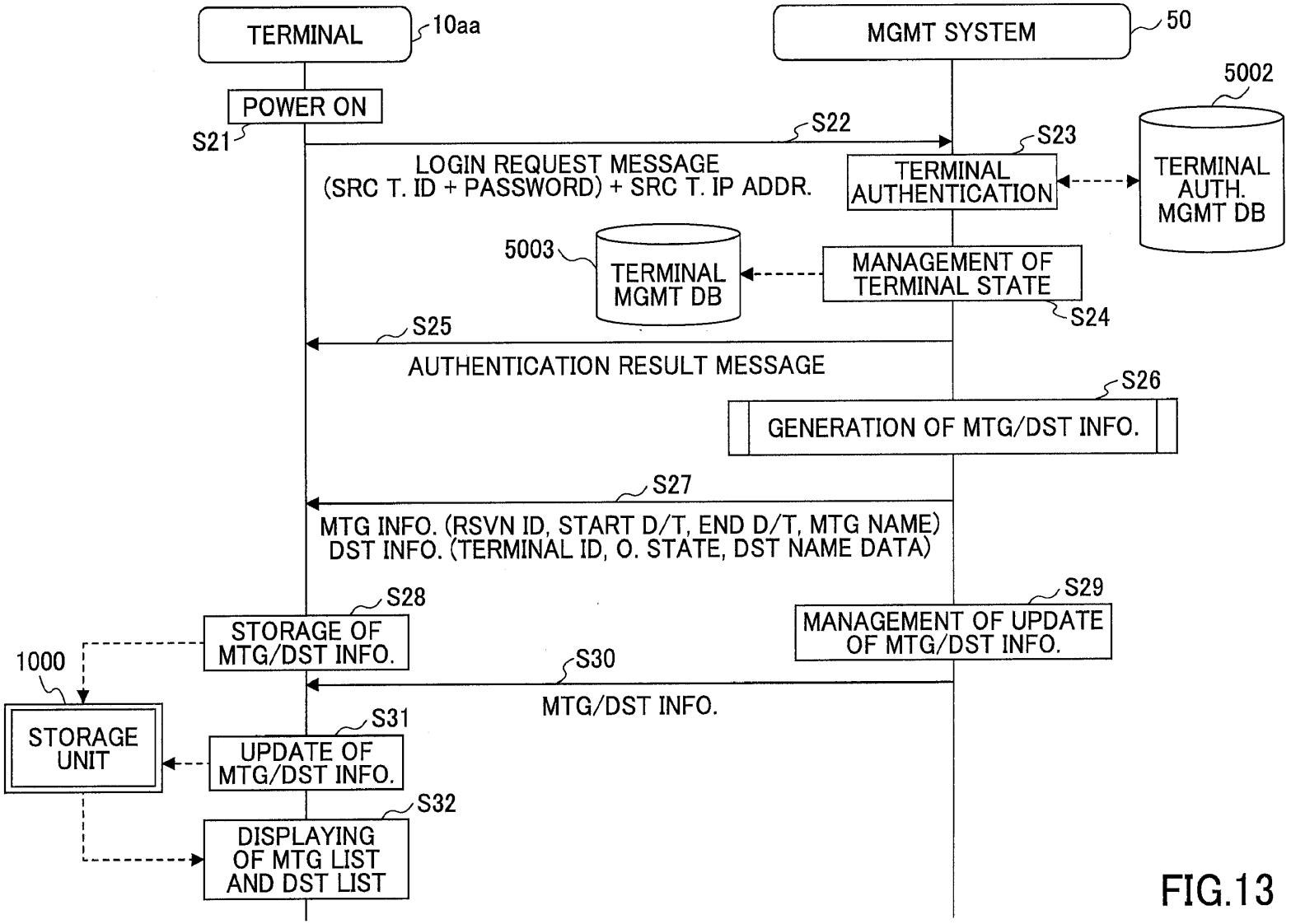

TERMINAL
10aa
MGMT SYSTEM
50
5002
POWER ON
S21
S22
LOGIN REQUEST MESSAGE
(SRC T. ID + PASSWORD) + SRC T. IP ADDR.
S23
TERMINAL AUTHENTICATION
TERMINAL AUTH. MGMT DB
5003
TERMINAL MGMT DB
MANAGEMENT OF TERMINAL STATE
S24
S25
AUTHENTICATION RESULT MESSAGE
S26
GENERATION OF MTG/DST INFO.
S27
MTG INFO. (RSVN ID, START D/T, END D/T, MTG NAME)
DST INFO. (TERMINAL ID, O. STATE, DST NAME DATA)
S28
STORAGE OF MTG/DST INFO.
S29
MANAGEMENT OF UPDATE OF MTG/DST INFO.
1000
S30
MTG/DST INFO.
STORAGE UNIT
S31
UPDATE OF MTG/DST INFO.
S32
DISPLAYING OF MTG LIST AND DST LIST

FIG.13

FIG.14

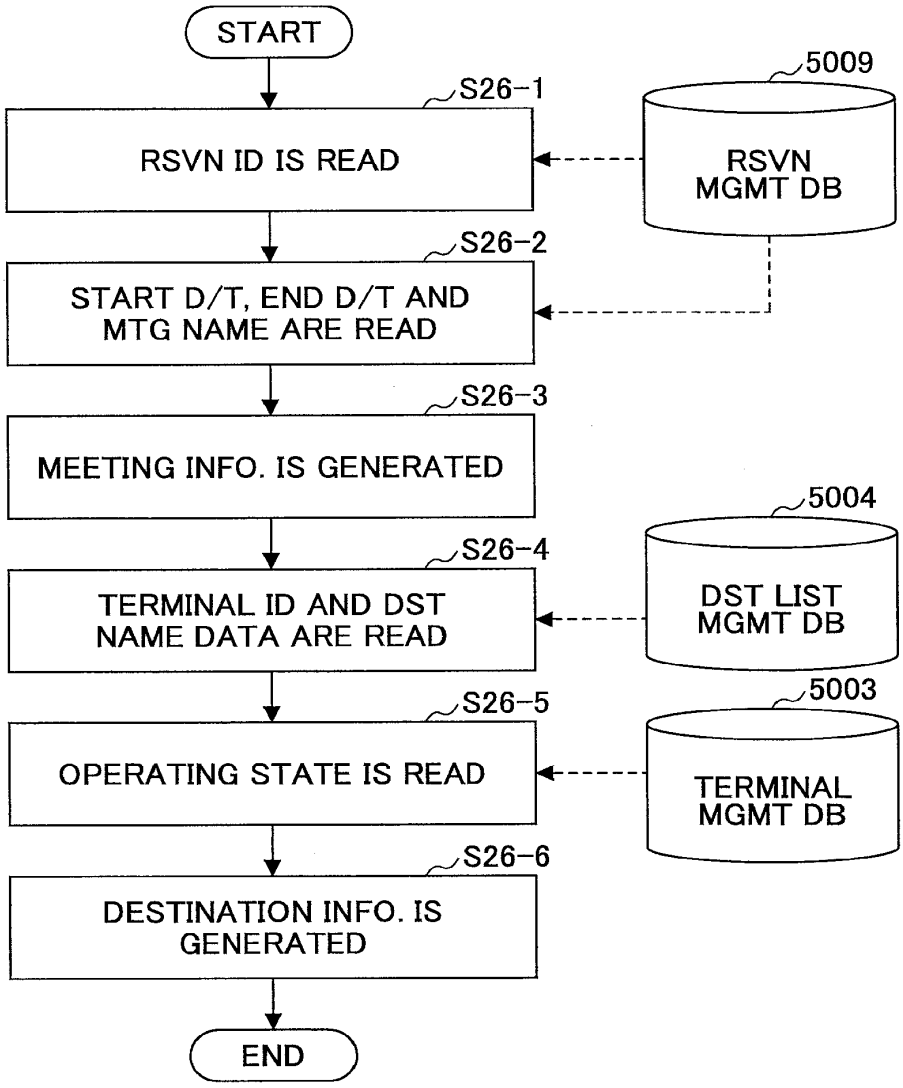

START
S26-1
RSVN ID IS READ
5009
RSVN MGMT DB
S26-2
START D/T, END D/T AND MTG NAME ARE READ
S26-3
MEETING INFO. IS GENERATED
5004
DST LIST MGMT DB
S26-4
TERMINAL ID AND DST NAME DATA ARE READ
5003
TERMINAL MGMT DB
S26-5
OPERATING STATE IS READ
S26-6
DESTINATION INFO. IS GENERATED
END

FIG.15A

RSVN ID	START DATE/TIME	END DATE/TIME	MEETING NAME
rsv01	2011/11/10 10:00	2011/11/10 11:30	SALES MEETING
rsv02	2011/11/10 13:30	2011/11/10 14:50	MONTHLY MEETING (NOV.)

FIG.15B

TERMINAL ID	OPERATING STATE	DESTINATION NAME DATA
01ab	DURING MEETING	XX SALES PROJECT TEAM
01ba	DURING MEETING	OSAKA YY PLANNING TEAM
01bb	ONLINE	OSAKA ZZ SALES TEAM
01ca	OFF LINE	COMPANY B, NEW YORK
01db	DURING MEETING	COMPANY B, WASHINGTON D.C.

FIG.16

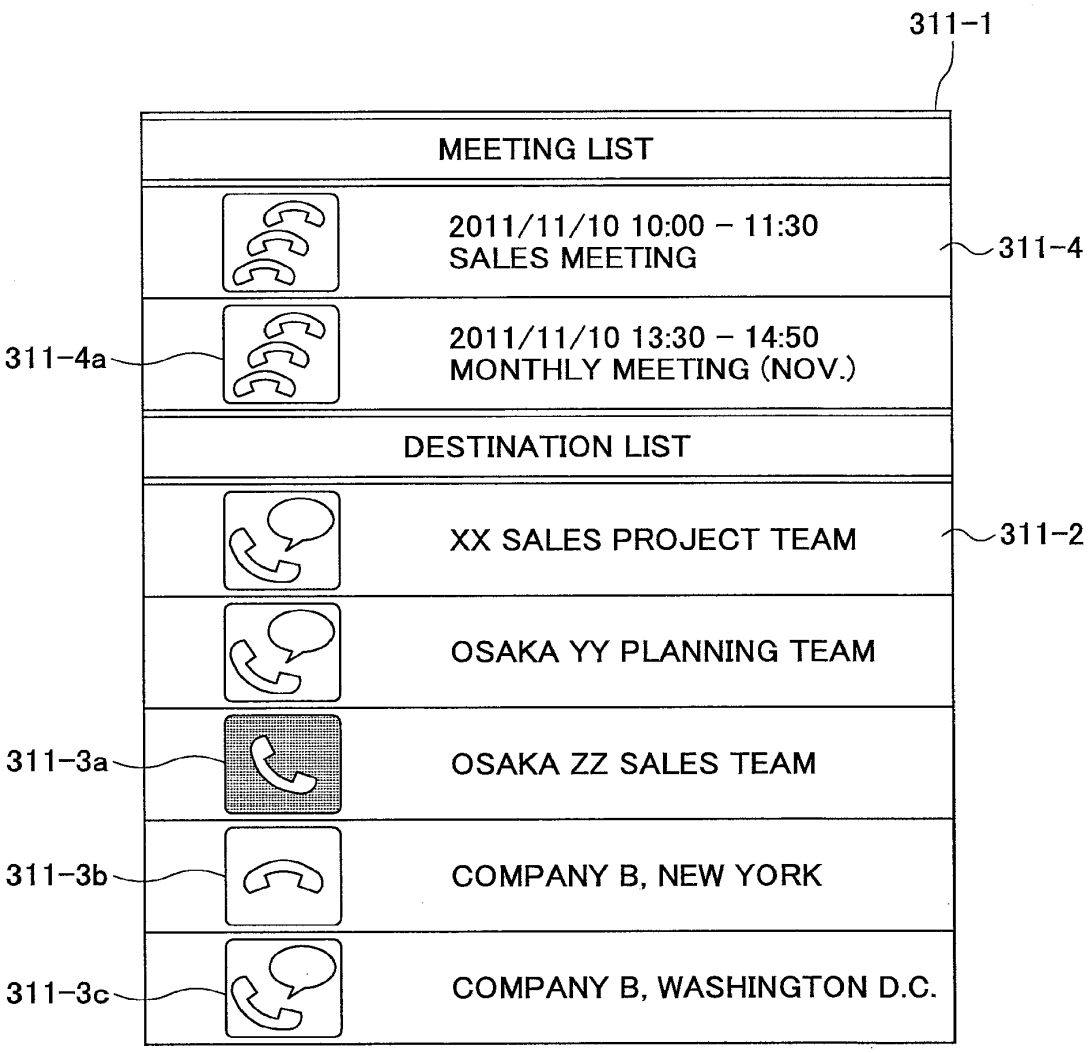

311-1
MEETING LIST
2011/11/10 10:00 – 11:30
SALES MEETING
311-4
311-4a
2011/11/10 13:30 – 14:50
MONTHLY MEETING (NOV.)
DESTINATION LIST
XX SALES PROJECT TEAM
311-2
OSAKA YY PLANNING TEAM
311-3a
OSAKA ZZ SALES TEAM
311-3b
COMPANY B, NEW YORK
311-3c
COMPANY B, WASHINGTON D.C.

FIG.17

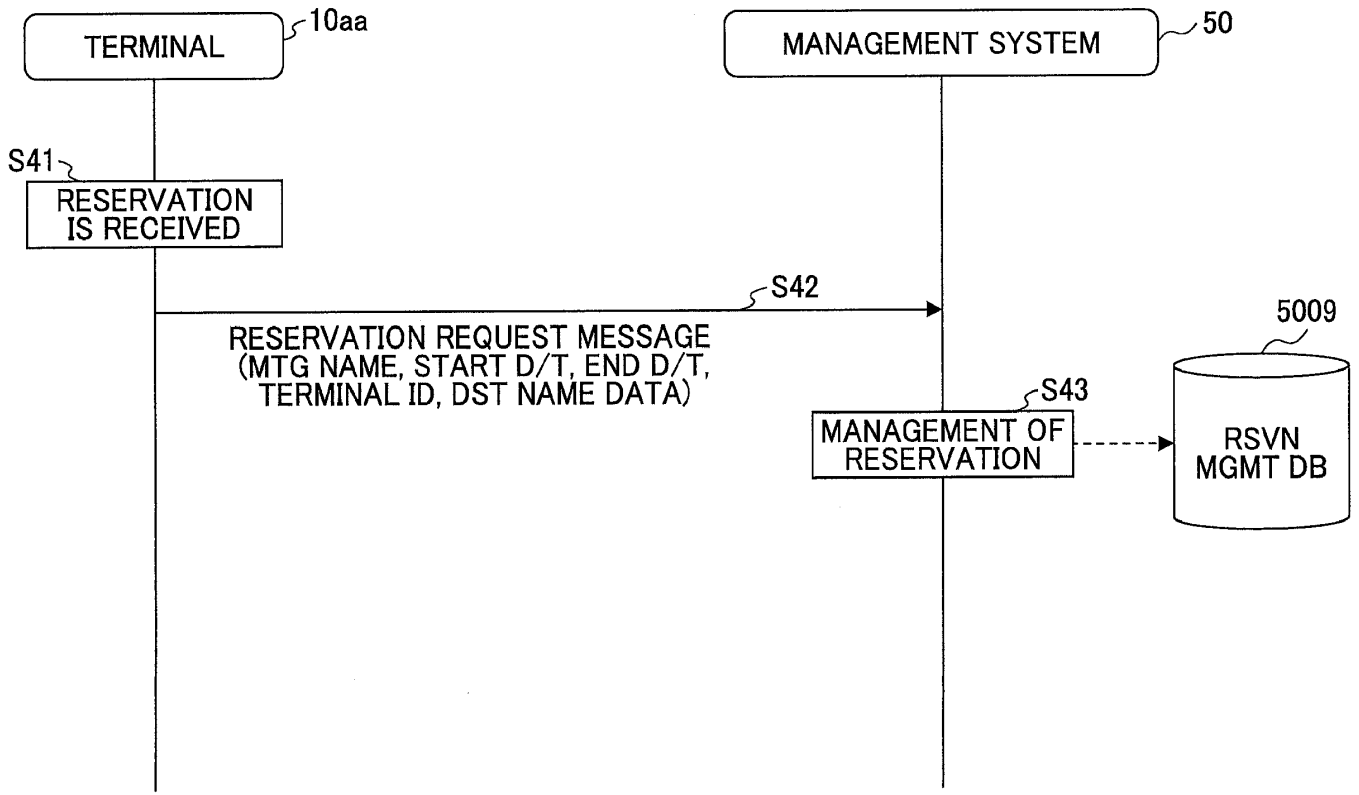

TERMINAL
10aa
MANAGEMENT SYSTEM
50
S41
RESERVATION IS RECEIVED
S42
RESERVATION REQUEST MESSAGE (MTG NAME, START D/T, END D/T, TERMINAL ID, DST NAME DATA)
5009
S43
MANAGEMENT OF RESERVATION
RSVN MGMT DB

FIG.18

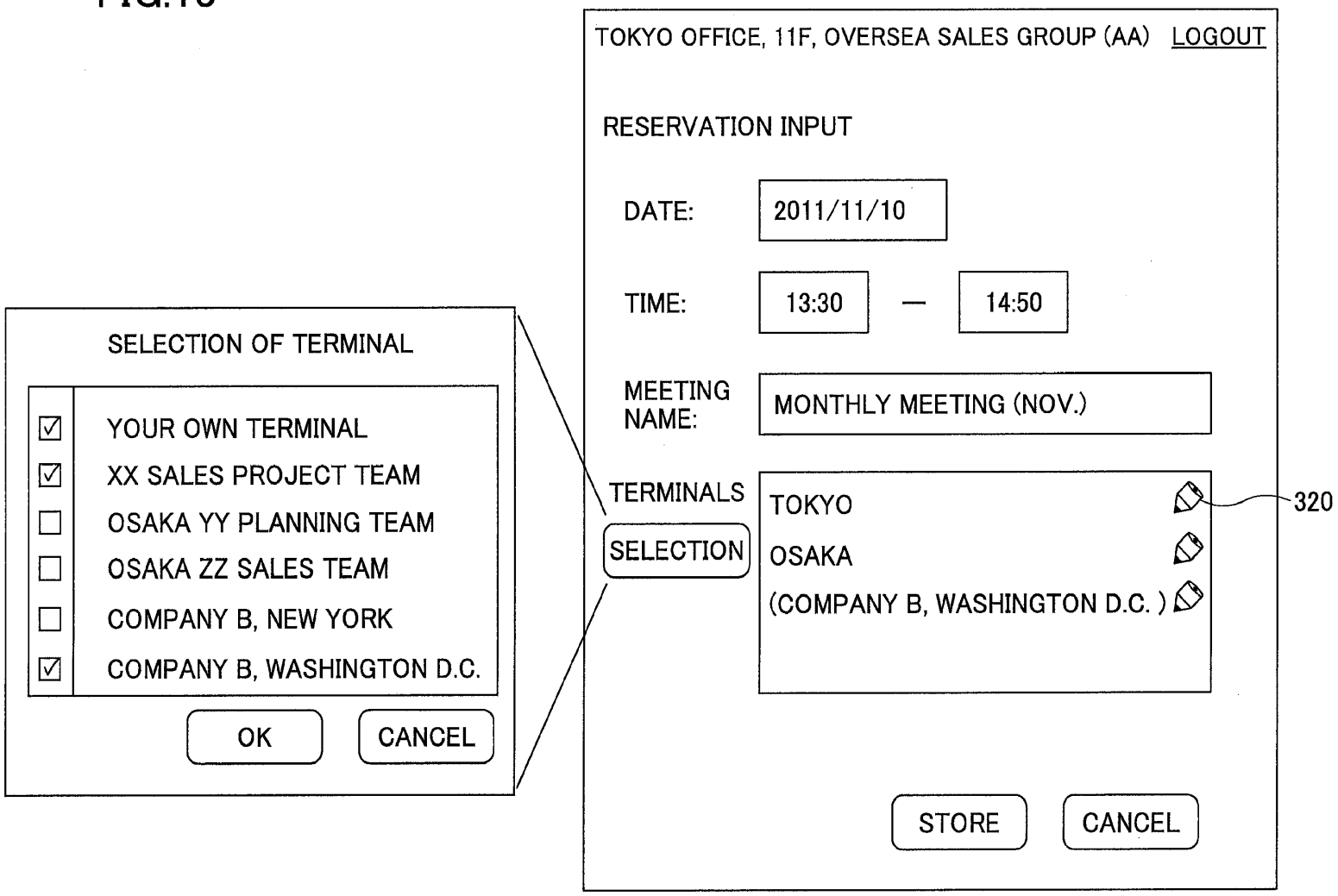

TOKYO OFFICE, 11F, OVERSEA SALES GROUP (AA) LOGOUT
RESERVATION INPUT
DATE:
2011/11/10
TIME:
13:30
—
14:50
MEETING NAME:
MONTHLY MEETING (NOV.)
TERMINALS
SELECTION
TOKYO
OSAKA
(COMPANY B, WASHINGTON D.C.)
320
STORE
CANCEL
SELECTION OF TERMINAL
YOUR OWN TERMINAL
XX SALES PROJECT TEAM
OSAKA YY PLANNING TEAM
OSAKA ZZ SALES TEAM
COMPANY B, NEW YORK
COMPANY B, WASHINGTON D.C.
OK
CANCEL

FIG.19

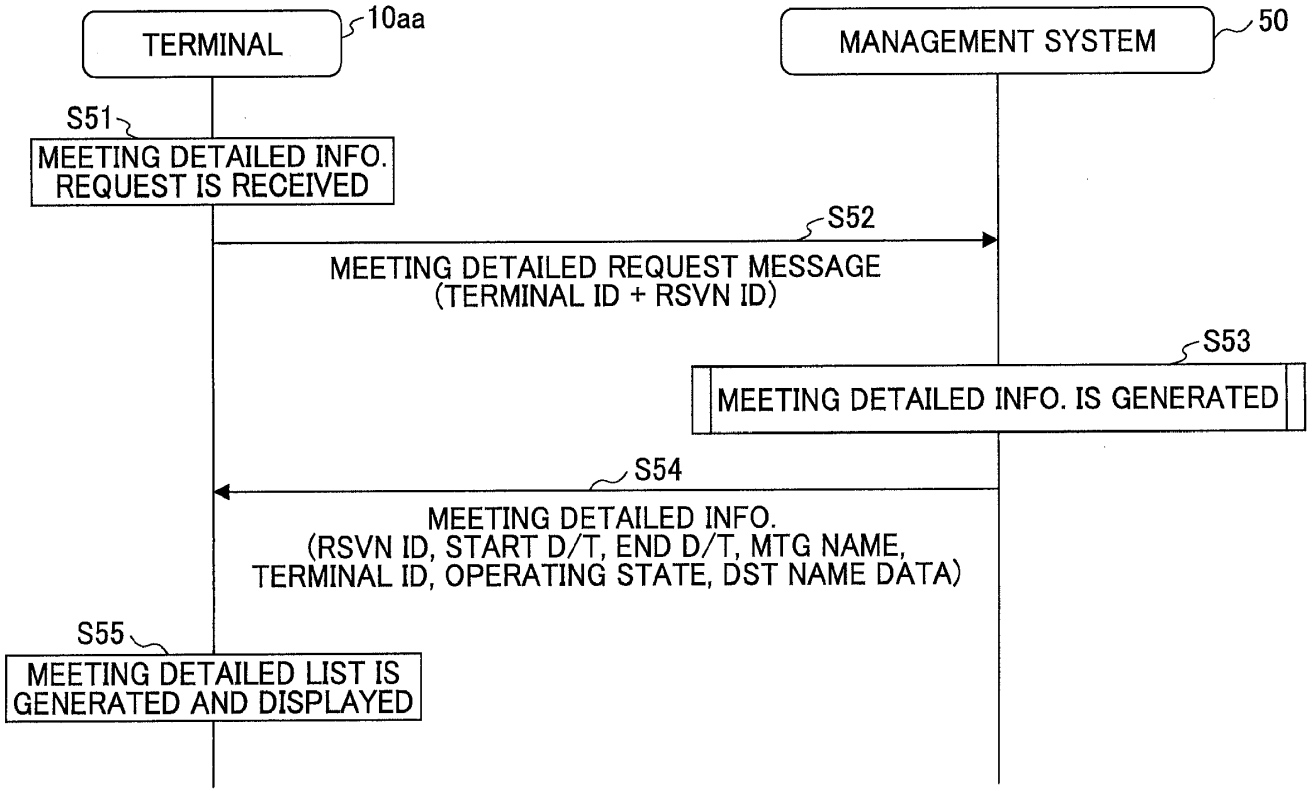

TERMINAL
10aa
MANAGEMENT SYSTEM
50
S51
MEETING DETAILED INFO. REQUEST IS RECEIVED
S52
MEETING DETAILED REQUEST MESSAGE (TERMINAL ID + RSVN ID)
S53
MEETING DETAILED INFO. IS GENERATED
S54
MEETING DETAILED INFO. (RSVN ID, START D/T, END D/T, MTG NAME, TERMINAL ID, OPERATING STATE, DST NAME DATA)
S55
MEETING DETAILED LIST IS GENERATED AND DISPLAYED

FIG.20

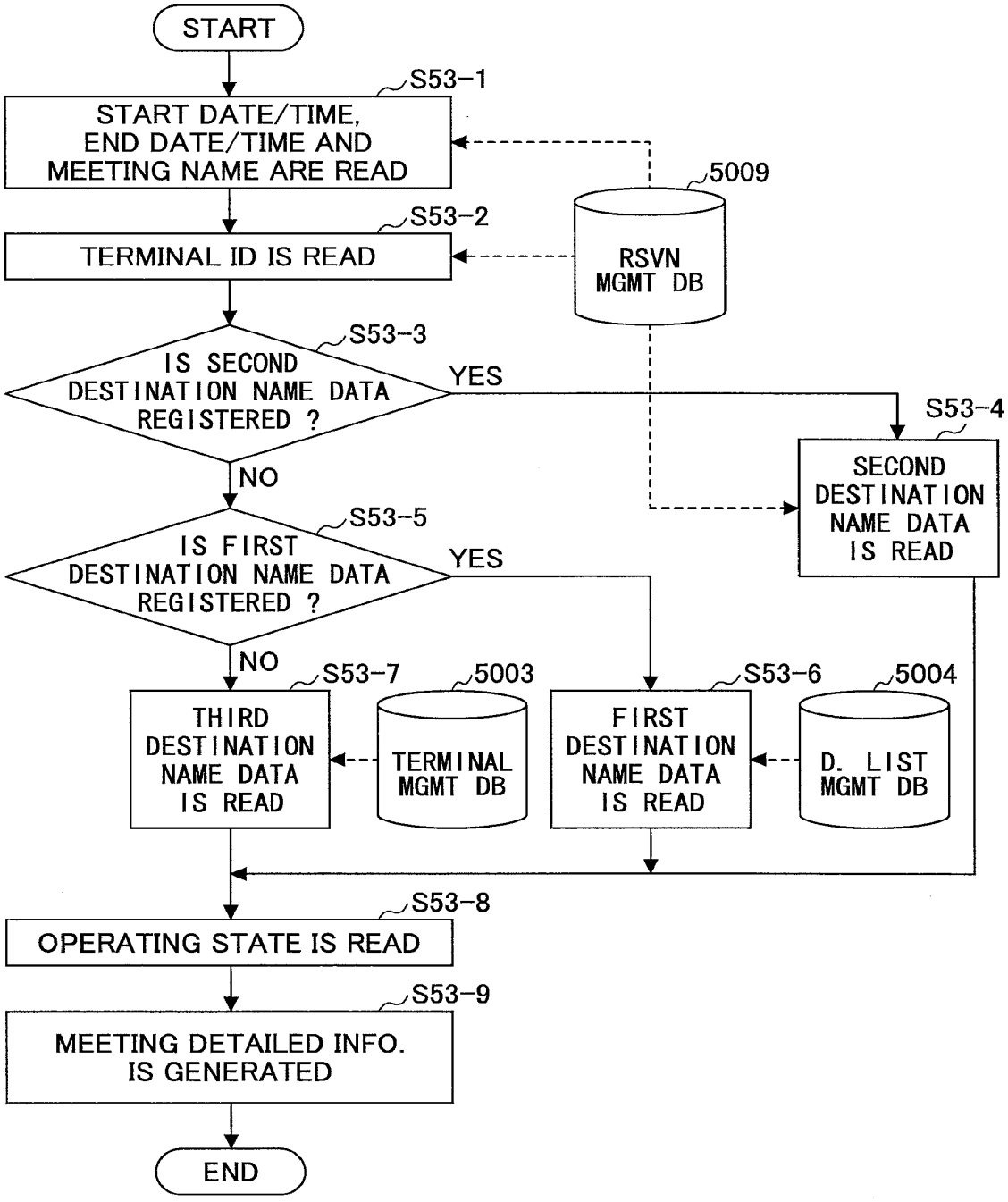
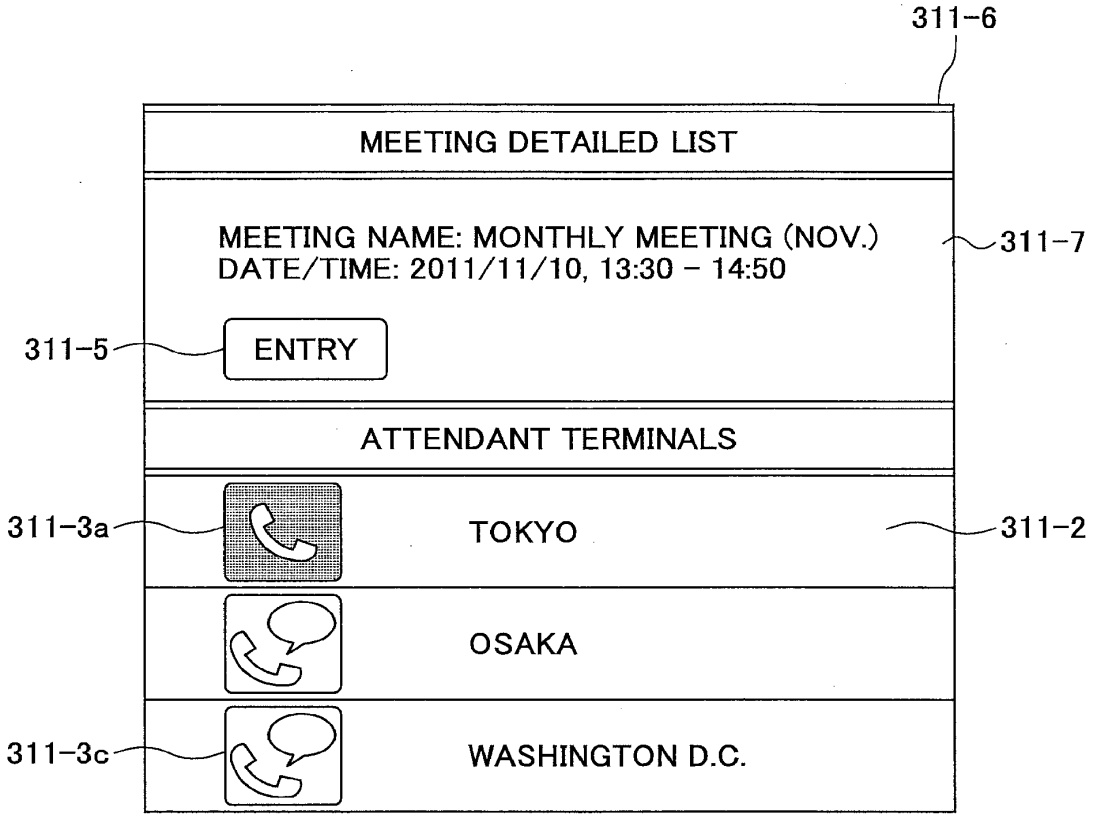

START
S53-1
START DATE/TIME, END DATE/TIME AND MEETING NAME ARE READ
5009
RSVN MGMT DB
S53-2
TERMINAL ID IS READ
S53-3
IS SECOND DESTINATION NAME DATA REGISTERED ?
YES
S53-4
SECOND DESTINATION NAME DATA IS READ
NO
S53-5
IS FIRST DESTINATION NAME DATA REGISTERED ?
YES
NO
S53-7
5003
THIRD DESTINATION NAME DATA IS READ
TERMINAL MGMT DB
S53-6
5004
FIRST DESTINATION NAME DATA IS READ
D. LIST MGMT DB
S53-8
OPERATING STATE IS READ
S53-9
MEETING DETAILED INFO. IS GENERATED
END

FIG.21

RSVN ID	START DATE/TIME	END DATE/TIME	MEETING NAME	TERMINAL ID	OPERATING STATE	DESTINATION NAME DATA
rsv02	2011/11/10 13:30	2011/11/10 14:50	MONTHLY MEETING (NOV.)	01aa	ONLINE	TOKYO
				01ba	DURING MEETING	OSAKA
				01db	DURING MEETING	WASHINGTON D.C.

FIG.22


311-6
MEETING DETAILED LIST
MEETING NAME: MONTHLY MEETING (NOV.)
DATE/TIME: 2011/11/10, 13:30 - 14:50
311-7
311-5
ENTRY
ATTENDANT TERMINALS
311-3a
TOKYO
311-2
OSAKA
311-3c
WASHINGTON D.C.

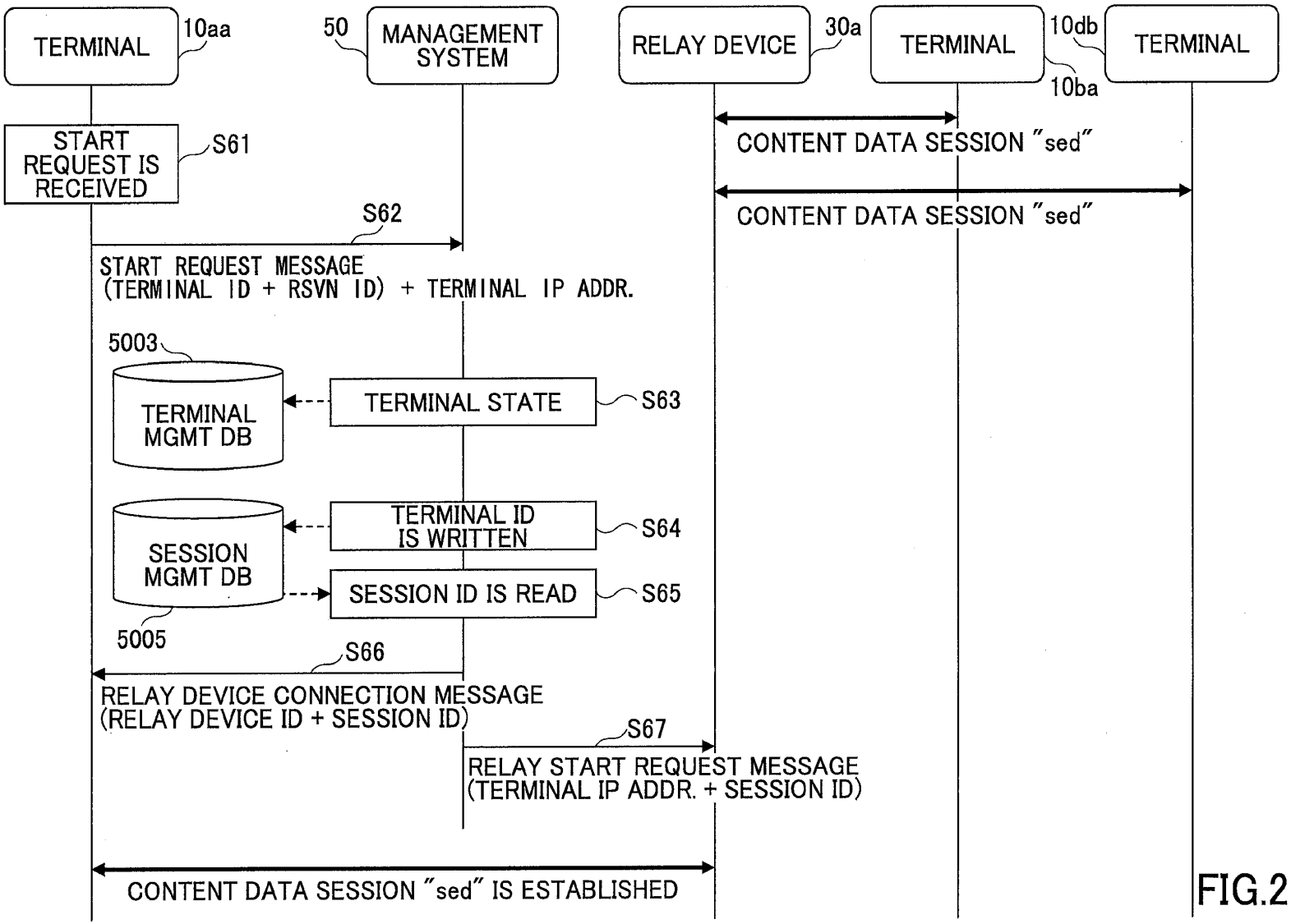
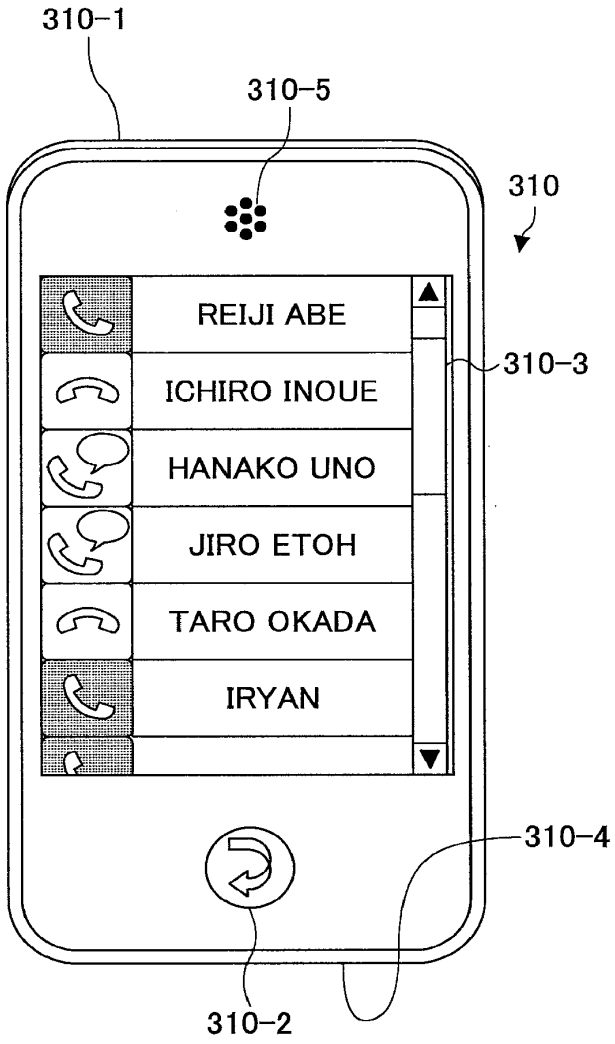

TERMINAL
10aa
50
MANAGEMENT SYSTEM
RELAY DEVICE
30a
TERMINAL
10db
10ba
TERMINAL
START REQUEST IS RECEIVED
S61
CONTENT DATA SESSION "sed"
CONTENT DATA SESSION "sed"
S62
START REQUEST MESSAGE
(TERMINAL ID + RSVN ID) + TERMINAL IP ADDR.
5003
TERMINAL MGMT DB
TERMINAL STATE
S63
SESSION MGMT DB
TERMINAL ID IS WRITTEN
S64
SESSION ID IS READ
S65
5005
S66
RELAY DEVICE CONNECTION MESSAGE
(RELAY DEVICE ID + SESSION ID)
S67
RELAY START REQUEST MESSAGE
(TERMINAL IP ADDR. + SESSION ID)
CONTENT DATA SESSION "sed" IS ESTABLISHED

FIG.23

FIG.24


310-1
310-5
310
REIJI ABE
ICHIRO INOUE
HANAKO UNO
JIRO ETOH
TARO OKADA
IRYAN
310-3
310-4
310-2

Form PTO 1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO.	SERIAL NO.
		533961US	New Application
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT	
		Kaoru MAEDA, et al.	
		FILING DATE	GROUP
		Herewith	Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	8,782,229	07/2014	UMEHARA			
	AB	8,769,001	07/2014	OHWADA			
	AC	2013/0278712	10/2013	MAEDA et al.			
	AD	2012/0140022	06/2012	KATO et al.			
	AE	2013/0242038	09/2013	UMEHARA et al.			
	AF	2009/0177974	07/2009	COX et al.			
	AG	2007/0086065	04/2007	WADA			
	AH	2009/0094694	04/2009	KODAIRA			
	AI	2002/0138650	09/26/2002	Hiroyuki YAMAMOTO, et al.			
	AJ	9,661,057	05/2017	Maeda, Kaoru			
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	TRANSLATION NO
	AL	2011-164488	08/25/2011	Japan (w/English abstract)		X
	AM	2012-050063	03/08/2012	Japan (corresponding to U.S. Patent No. 8,782,229)		X
	AN	2011-205612	10/13/2011	Japan (corresponding to US Patent No. 8,769,001)		X
	AO	2012-147416	08/02/2012	Japan (corresponding to U.S. Publication No. 2013/0278712)		X
	AP	2012-195926	10/11/2012	Japan (w/English abstract)		X
	AQ	2007-122331	05/17/2007	Japan (w/English abstract)		X
	AR	08-195820	07/30/1996	Japan (w/English abstract)		X
	AS	2012-138893	07/19/2012	Japan (corresponding to U.S. Publication No. 2012/0140022)		X
	AT	10-276236	10/13/1998	Japan (w/English abstract)		X
	AU	2012-134944	07/12/2012	Japan (corresponding to U.S. Publication No. 2013/0242038)		X
	AV	WO 2012/086844 A1	06/28/2012	WIPO (corresponds to U.S. Publication No. 2013/0278712)		

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	International Search Report Issued August 27, 2013 in PCT/JP13/070953 filed July 26, 2013
	AX	Extended European Search Report issued July 9, 2015 in Patent Application No. 13826383.5
	AY	O. Novo, et al., "Conference Information Data Model for Centralized Conferencing (XCON)" Internet Engineering Task Force (IETF), XP015081466, 2012, Pages 1-94
	AZ	Office Action mailed November 17, 2016 in co-pending US Patent Application No. 14/417,868 (Attorney Docket No. 447974US28PCT Examiner: Dalencourt, Yves)

☒ Additional References sheet(s) attached

Examiner	Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. 533961US	SERIAL NO. New Application
LIST OF REFERENCES CITED BY APPLICANT		INVENTOR(S) Kaoru MAEDA, et al.	
		FILING DATE Herewith	GROUP Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						
	BK						
	BL						
	BM						
	BN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	TRANSLATION NO
	BO	3 014 809 A1	05/04/2016	Europe (published as WO 2014/208569 A1, corresponds US 2016/0127686 A1)		
	BP	2005-202891	07/28/2005	Japan (w/English abstract)		X
	BQ					
	BR					
	BS					
	BT					
	BU					
	BV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	BW	Extended European Search Report issued August 9, 2018 in Patent Application No.18172517.7 citing document BO therein, 14 pages
	BX	Office Action mailed November 13, 2018 in Japanese Application No. 2018-002312
	BY	
	BZ	☐ Additional References sheet(s) attached

Examiner		Date considered	

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Electronic Acknowledgement Receipt	
EFS ID:	41225476
Application Number:	17104322
International Application Number:	
Confirmation Number:	5254
Title of Invention:	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM
First Named Inventor/Applicant Name:	Kaoru MAEDA
Customer Number:	22850
Filer:	Philippe Jean-Claude Signore/LaKisha Durham
Filer Authorized By:	Philippe Jean-Claude Signore
Attorney Docket Number:	533961US
Receipt Date:	25-NOV-2020
Filing Date:	
Time Stamp:	12:37:36
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$1820
RAM confirmation Number	E2020AOC37491817
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		533961USNewApp.pdf	11499132 2fe59e80d84ce92dc2c13aba831f4ef1d818d78d	yes	110

Multipart Description/PDF files in .zip description

Document Description	Start	End
Information Disclosure Statement (IDS) Form (SB08)	109	110
Transmittal Letter	108	108
Power of Attorney	106	107
Oath or Declaration filed	104	105
Drawings-only black and white line drawings	82	103
Abstract	81	81
Claims	80	80
Specification	9	79
Application Data Sheet	3	8
Miscellaneous Incoming Letter	2	2
Transmittal of New Application	1	1

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	35201 5c15ebdbc1b274f814db5bd26bd10446739bf565	no	2

Warnings:

Information:

Total Files Size (in bytes):	11534333

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM

As the below named inventor, I hereby declare that:

This declaration ☐ The attached application, or

is directed to: ☒ United States application or PCT international application number PCT/JP2013/070953 filed on July 26, 2013.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS, RICOH COMPANY, LTD.
(hereinafter referred to as "ASSIGNEE") having places of business at: 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, Japan, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS ($5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Inventor: Kaoru MAEDA Date: Dec. 1, 2014

Signature: Kaoru Maeda

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM

As the below named inventor, I hereby declare that:

This declaration ☐ The attached application, or

is directed to: ☒ United States application or PCT international application number PCT/JP2013/070953 filed on July 26, 2013.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS, RICOH COMPANY, LTD. (hereinafter referred to as "ASSIGNEE") having places of business at: 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, Japan, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS ($5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Inventor: Takahiro ASAI Date: December, 1, 2014

Signature: Takahiro Asai

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5. If the Power of Attorney by Applicant form is not accompanied by this transmittal form or an equivalent, the Power of Attorney will not be recognized in the application.

Application Number	New Application
Patent Number	
Filing Date	Herewith
Issue Date	
First Named Inventor	Kaoru MAEDA
Title	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM
Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	533961US

SIGNATURE of Applicant or Patent Practitioner

Signature	/Sameer Gokhale/	Date	2020-11-25
Name	Sameer Gokhale	Telephone	73-413-3000
Registration Number	62,618		

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications.

■ *Total of 2 forms are submitted.

POWER OF ATTORNEY BY APPLICANT

(ASSIGNEE, LEGAL REPRESENTATIVE OR PERSON WHO OTHERWISE SHOWS SUFFICIENT PROPRIETARY INTEREST)

Attorney Docket Number:	520910US

I hereby revoke all previous powers of attorney given in the application identified in the attached Transmittal for Power of Attorney form.

■ I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter:

22850

Please recognize or change the correspondence address for the above-identified patent to:

■ The address associated with the above-mentioned Customer Number.

I am the Applicant:

■ Assignee or Person to Whom the Inventor is Under an Obligation to Assign and am authorized to act on behalf of all assignees

☐ Person Who Otherwise Shows Sufficient *Proprietary* Interest (*e.g.*, a petition under 37 CFR 1.46 (b)(2) was granted in the application or is concurrently being filed with this document)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature	/ *Kaoru Ikeya* /	Date	September 5, 2019
Name	Kaoru IKEYA	Telephone	
Title	General Manager Intellectual Property Development Center Intellectual Property Division		
Company	Ricoh Company, Ltd.		

NOTE: Signature - This form must be signed by the applicant. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms for more than one signature, see below*.

■ *Total of _____ forms are submitted.

Docket No. 533961US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Kaoru MAEDA, et al. GAU: Unassigned

SERIAL NO: New Application EXAMINER: Unassigned

FILED: Herewith

FOR: TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM

SUBMISSION NOTICE REGARDING PRIORITY DOCUMENT(S)

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

Commissioner:

Certified copies of the Convention Application(s) corresponding to the above-captioned matter:

- ☐ are submitted herewith
- ■ were retrieved by the USPTO in prior application Serial No. 15/290,917 filed October 11, 2016.
- ☐ were submitted to the International Bureau in PCT Application Number _____
  Receipt of the certified copies by the International Bureau in a timely manner under PCT Rule 17.1(a) has been acknowledged as evidenced by the attached PCT/IB/304.

Respectfully Submitted,

OBLON, McCLELLAND,
MAIER & NEUSTADT, L.L.P.

/Sameer Gokhale/

Kurt M. Berger, Ph.D.
Registration No. 51,461

Sameer Gokhale
Registration No. 62,618

Customer Number
22850
Tel. (703) 413-3000
Fax. (703) 413-2220
(OMMN 07/09)

TITLE OF THE INVENTION

TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation of and claims the benefit of priority under 35 U.S.C. §120 from U.S. Application No. 16/291,842 filed March 4, 2019, which is a continuation of U.S. Application No. 15/290,917 filed October 11, 2016 (now U.S. Patent No. 10,270,837 issued April 23, 2019), which is continuation of U.S. Application No. 14/417,868 filed January 28, 2015 (now U.S. Patent No. 9,661,057 issued May 23, 2017), which is a National Stage of PCT/JP13/70953 filed July 26, 2013, which claims the benefit of priority under 35 U.S.C. §119 to Japanese Patent Application No. 2012-171192 filed August 1, 2012, the entire contents of each of which are hereby incorporated herein by reference.

TECHNICAL FIELD

The present invention relates to a transmission management system which transmits destination name data in communications between transmission terminals to a transmission terminal in the

transmission management system.

BACKGROUND ART

Recently, with the demand for reducing time and expenses for business trips, a videoconference system is becoming increasingly popular. The videoconference system is an example of a transmission system which communicates over a communication network, and conducts videoconferences via the communication network such as the Internet. In the videoconference system, the videoconference may be implemented by transmitting and receiving content data, such as image data and voice data, between the terminals (each of which is an example of a transmission terminal).

In the related art, a method of establishing a session between terminals for the communication such as the videoconference is known. In this method, a destination name is selected from among various names of destinations (candidates for destinations) contained in a destination list and establishment of the session is requested. See Japanese Laid-Open Patent Publication No. 2012-050063.

In the known method, a transmission management system which controls the starting of the communication generates a destination list in which the names of the

destinations (the candidates) are contained and transmits the destination list to a transmission terminal, and prompting a user on the transmission terminal to select one of the destination names in the designation list.

Generally, geographical names such as "Japan", office names such as "Tokyo office", or terminal names such as "AB terminal" have been used as the names of the destinations managed by the transmission management system.

DISCLOSURE OF THE INVENTION

PROBLEMS TO BE SOLVED BY THE INVENTION

However, the easy-to-specify names of the destinations may vary depending on the communications. For example, in the videoconference in the same organization, if team names in the organization are used as the destination names, such names may become easy-to-specify ones. Or, in the videoconference between different organizations, if company names are used as the destination names, the company names may become easy-to-specify ones.

In the transmission system according to the related art, the common names which are provided for users have been used as the names of the destinations,

and it is impossible to use the easy-to-specify names of the destinations in the communications.

DISCLOSURE OF THE INVENTION

In one aspect, the present disclosure provides a transmission system and a transmission management system which substantially eliminate one or more problems caused by the limitations and disadvantages of the related art.

In one embodiment, the present disclosure provides a transmission management system including: a destination name data managing unit configured to manage a plurality of destination name data items which indicate a plurality of names of a destination in communications between transmission terminals; a destination name data reading unit configured to read at least one destination name data item from among the plurality of destination name data items managed by the destination name data managing unit; and a destination name data transmitting unit configured to transmit the at least one destination name data item read by the destination name data reading unit, to a transmission terminal which is capable of communicating with the destination.

BRIEF DESCRIPTION OF THE DRAWINGS

Other objects, features and advantages of embodiments will be apparent from the following detailed description when read in conjunction with the accompanying drawings.

FIG. 1 is a schematic diagram showing a transmission system according to an embodiment.

FIG. 2 is a conceptual diagram showing sessions of transmitting and receiving of image data, voice data and management data in the transmission system according to the embodiment.

FIG. 3 is a perspective view of a transmission terminal according to the embodiment.

FIG. 4 is a block diagram showing the hardware configuration of the transmission terminal according to the embodiment.

FIG. 5 is a block diagram showing the hardware configuration of a transmission management system according to the embodiment.

FIG. 6 is a block diagram showing the functional configuration of the transmission terminal, the relay device, and the transmission management system which constitute the transmission system according to the embodiment.

FIG. 7 is a conceptual diagram showing a relay

device management table.

FIG. 8 is a conceptual diagram showing a terminal authentication management table.

FIG. 9 is a conceptual diagram showing a session management table.

FIG. 10 is a conceptual diagram showing a destination list management table.

FIG. 11A is a conceptual diagram showing a reservation management table.

FIG. 11B is a conceptual diagram showing a reservation terminal management table.

FIG. 12 is a conceptual diagram showing a terminal management table.

FIG. 13 is a sequence diagram for explaining a preparatory process for starting communication between transmission terminals.

FIG. 14 is a flowchart for explaining a process for generating meeting information and destination information.

FIG. 15A is a conceptual diagram showing an example of meeting information.

FIG. 15B is a conceptual diagram showing an example of destination information.

FIG. 16 is a conceptual diagram showing an example of a meeting list and a destination list.

FIG. 17 is a sequence diagram for explaining a process for receiving a reservation.

FIG. 18 is a conceptual diagram showing an example of a reservation acceptance screen.

FIG. 19 is a sequence diagram for explaining a process for reading meeting detailed information.

FIG. 20 is a flowchart for explaining a process for generating meeting detailed information.

FIG. 21 is a conceptual diagram showing an example of meeting detailed information.

FIG. 22 is a conceptual diagram showing an example of a meeting detailed list.

FIG. 23 is a sequence diagram for explaining a process for starting the communication.

FIG. 24 is a diagram showing an example of a destination list displayed on a transmission terminal according to another embodiment.

MODE FOR CARRYING OUT THE INVENTION

[Overall Configuration of Embodiment]

In the following, a description will be given of preferred embodiments with reference to the accompanying drawings. First, the whole configuration of a transmission system according to an embodiment will be described with reference to FIGS. 1 and 2. FIG. 1 is

a schematic diagram showing the transmission system according to the embodiment. FIG. 2 is a conceptual diagram showing sessions of transmitting and receiving of image data, voice data and management data in the transmission system according to the embodiment.

There are various types of transmission systems. One example may be a data provision system which transmits content data from a transmission terminal to another transmission terminal via a transmission management system in one way. Another example may be a communication system which mutually communicates information or emotional expressions among two or more transmission terminals via the transmission management system. This communication system is used for mutually exchanging information or emotional expressions among the two or more communication terminals (i.e., the transmission terminals) via a communication management system (i.e., the transmission management system). Examples of the communication system include a videoconference system, a visual telephone system, an audio conference system, a voice-call system, and a personal computer screen sharing system.

The following embodiments describe the transmission system, the transmission management system,

and the transmission terminal by conceptualizing the videoconference system as an example of the communication system, the videoconference management system as an example of the communication management system, and the videoconference terminal as an example of the communication terminal, respectively. Namely, the transmission terminal and the transmission management system according to this embodiment may be applied not only to the videoconference system, but may also be applied to the communication system or the transmission system. In the following embodiments, the videoconference may also be called the meeting.

As shown in FIG. 1, the transmission system 1 includes two or more transmission terminals (10aa, 10ab, ...), two or more displays (120aa, 120ab, ...) for the respective transmission terminals (10aa, 10ab, ...), two or more relay devices (30a, 30b, 30c, 30d), a transmission management system 50, a program provision system 90, and a maintenance system 100.

Note that, in the following, any one of the transmission terminals (10aa, 10ab, ...) may be called a transmission terminal 10, any one of the displays (120aa, 120ab, ...) may be called a display 120, and any one of the relay devices (30a, 30b, 30c, 30d) may be called a relay device 30.

The transmission terminal 10 is configured to transmit and receive image data and voice data as examples of content data. In this embodiment, motion pictures (i.e., video data) are illustrated as an example of the image data. However, the image data may also be still pictures, or the image data may include both motion pictures and still pictures.

Note that, in the following, the transmission terminal may be simply called the "terminal" and the transmission management system may be simply called as the "management system".

As shown in FIG. 2, in the transmission system 1, a management data session "sei" for transmitting and receiving various kinds of management data is established between the terminals 10 via the management system 50, and sessions for transmitting and receiving image data and voice data are established between the terminals 10 via the relay device 30. In the embodiment shown in FIG. 2, the sessions for transmitting and receiving the image data and the voice data are collectively illustrated as a content data session "sed".

The terminal 10 shown in FIG. 1 transmits and receives content data including image data and voice data in order to communicate with another terminal 10. That is, the communications in this embodiment include

not only the transmission and reception of voice data but also the transmission and reception of image data. However, the terminal 10 may be configured to transmit and receive the voice data solely without transmitting or receiving the image data. The relay device 30 is configured to relay the content data between the terminals 10. The management system 50 is configured to manage the terminals 10 and the relay device 30 in an integrated manner.

In the transmission system 1 shown in FIG. 1, routers (70a, 70b, 70c, 70d, 70ab, 70cd) are configured to select the optimal paths for the content data. Note that, in the following, any one of the routers (70a, 70b, 70c, 70d, 70ab, 70cd) may be simply called a router 70.

The program provision system 90 includes a hard disk (HD) configured to store programs for terminals, with which the terminal 10 may implement various functions or various processes. Therefore, the program provision system 90 may transmit the programs for terminals to the terminal 10. The HD of the program provision system 90 further stores programs for the relay device, with which the relay device 30 may implement various functions or various processes. Therefore, the program provision system 90 may transmit the programs for the relay device to the relay device 30.

In addition, the HD of the program provision system 90 further stores programs for the management system, with which the management system 50 may implement various functions or various processes. Therefore, the program provision system 90 may transmit the programs for the management system to the management system 50.

The maintenance system 100 is a computer configured to maintain or manage at least one of the terminals 10, the relay device 30, the management system 50, and the program provision system 90. For example, if the maintenance system 100 is installed at a domestic location while the terminal 10, the relay device 30, the management system 50 and the program provision system 90 are installed at overseas locations, the maintenance system 100 remotely maintains or manages at least one of the terminal 10, the relay device 30, the management system 50, and the program provision system 90 via a communication network 2. In addition, the maintenance system 100 performs maintenance, such as the management of a model number, a serial number, a sale place, a maintenance inspection, a failure history, etc. on at least one of the terminal 10, the relay device 30, the management system 50, and the program provision systems 90 without using the communication network 2.

In the transmission system 1 shown in FIG. 1,

the terminals (10aa, 10ab, ...), the relay device 30a, and the router 70a are connected via a LAN 2a so that they may communicate with one another. The terminals (10ba, 10bb, ...), the relay device 30b, and the router 70b are connected via a LAN 2b so that they may communicate with one another. The LAN 2a and the LAN 2b are set up in a predetermined company A. In the company A, the LAN 2a and the LAN 2b are connected via a dedicated communication line 2ab including the router 70ab so that they may communicate with one another. For example, the company A may be located in Japan, the LAN 2a may be set up in the Tokyo office, and the LAN 2b is set up in the Osaka office.

On the other hand, the terminals (10ca, 10cb, ...), the relay device 30c, and the router 70c are connected via a LAN 2c so that they may communicate with one another. The terminals (10da, 10db, ...), the relay device 30d, and the router 70d are connected via a LAN 2d so that they may communicate with one another. The LAN 2c and the LAN 2d are set up in a predetermined company B. In the company B, the LAN 2c and the LAN 2d are connected via a dedicated communication line 2cd including the router 70cd so that they may communicate with one another. For example, the company B may be located in the United States of America, the LAN 2c may

be set up in the New York office, and the LAN 2d may be set up in the Washington, D.C. office. The company A and the company B are connected from the respective routers 70ab and 70cd via the Internet 2i so that the company A and the company B may communicate with each other via the Internet 2i.

Furthermore, the management system 50 and the program provision system 90 are connected to the terminal 10 and the relay device 30 via the Internet 2i so that they may communicate with one another. The management system 50 and the program provision system 90 may be installed in the company A or the company B, or may be installed in a region other than the companies A and B.

Note that in this embodiment, the communication network 2 is made up of the LAN 2a, the LAN 2b, the dedicated communication line 2ab, the Internet 2i, the dedicated communication line 2cd, the LAN 2c, and the LAN 2d. In the communication network 2, the communications are typically carried out via the wires, but may be partially carried out using the wireless communication protocols, such as Wi-Fi (Wireless Fidelity) or Bluetooth®.

In FIG. 1, the set of four numerals attached beneath or over each of the terminal 10, the relay

device 30, the management system 50, the router 70, the program provision system 90, and the maintenance system 100 simply designates the IP address of the typical IPv4. For example, the IP address of the terminal 10aa is "1.2.1.3", as shown in FIG. 1. The IP address may be the IPv6; however, in this embodiment, the IPv4 is used for the sake of simplifying the illustration.

The terminal 10 may be used not only for communication between two or more offices or communication between different rooms in the same office, but may also be used for communication in the same room, communication between the outdoor locations, or communication between the indoor and outdoor locations. When the terminal 10 is used outdoors, the wireless communication may be conducted via a mobile communication network.

[Hardware Configuration of Embodiment]

Next, the hardware configuration of the embodiment will be described.

First, the hardware configuration of the terminal 10 will be described with reference to FIGS. 3 and 4. FIG. 3 is a perspective view of the terminal 10 according to the embodiment. FIG. 4 is a block diagram showing the hardware configuration of the terminal 10 according to the embodiment.

Note that, in the following, an X-axis direction represents a longitudinal direction of the terminal 10, a Y-axis direction represents a direction perpendicular to the X-axis direction in a horizontal plane, and a Z-axis direction represents a direction perpendicular to the X-axis direction and the Y-axis direction (i.e., vertical direction).

As shown in FIG. 3, the terminal 10 includes a housing 1100, an arm 1200, and a camera housing 1300. A front wall face 1110 of the housing 1100 includes a not-illustrated air intake face which is formed with two or more air intake holes, and a rear wall face 1120 of the housing 1100 includes an exhaust face 1121 which is formed with two or more exhaust holes. Accordingly, by driving a cooling fan arranged in the housing 1100, the terminal 10 can take in external air behind the terminal 10 via the air intake face and exhaust the air inside the terminal 10 via the exhaust face 1121. A right-side wall face 1130 of the housing 1100 is formed with a voice-collecting hole 1131, via which a built-in microphone 114 (FIG. 4) can pick up audio sound, such as voice, sound, or noise.

The right-side wall face 1130 of the housing 1100 includes an operation panel 1150. This operation panel 1150 includes operation buttons (108a-108e), a

power switch 109, an alarm lamp 119, and a voice output face 1151. The voice output face 1151 is formed with voice output holes for outputting voice from a built-in speaker 115 (FIG. 4). Further, a left-side wall face 1140 of the housing 1100 includes an accommodation unit 1160 which is a recessed seating unit for accommodating the arm 1200 and the camera housing 1300. The right-side wall face 1130 of the housing 1100 further includes connection ports (1132a-1132c) for electrically connecting a cable to an external device connection interface (IF) 118. On the other hand, the left-side wall face 1140 of the housing 1100 includes a not-illustrated connection port for electrically connecting a cable 120c of the display 120 to the external device connection interface (IF) 118.

Note that, in the following, any one of the operation buttons (108a-108e) may be called an operation button 108, and any one of the connection ports (1132a-1132c) may be called a connection port 1132.

Next, the arm 1200 is attached to the housing 1100 via a torque hinge 1210 such that the arm 1200 is movable in upward and downward directions within a range of tilt angle $\theta 1$ of 135 degrees with respect to the housing 1100. The arm 1200 shown in FIG. 3 is in a state where the tilt angle $\theta 1$ is 90 degrees.

The camera housing 1300 includes a built-in camera 1021, and the camera 1021 is configured to take images of a user, documents, a room, etc. The camera housing 1300 further includes a torque hinge 1310. The camera housing 1300 is attached to the arm 1200 via the torque hinge 1310. The camera housing 1300 is rotationally attached to the arm 1200 in upward and downward directions via the torque hinge 1310 such that the camera housing 1300 is movable in the up, down, right and left directions in a range of pan angle $\theta 2$ of ±180 degrees and in a range of tilt angle $\theta 3$ of ±45 degrees when the pan angle and the tilt angle in the state shown in FIG. 3 are 0 degrees.

As shown in FIG. 4, the terminal 10 includes a central processing unit (CPU) 101 configured to control overall operations of the terminal 10, a read-only memory (ROM) 102 storing programs for the terminal, a random access memory (RAM) 103 used as a work area of the CPU 101, a flash memory 104 configured to store various data, such as image data and voice data, a solid state drive (SSD) 105 configured to control retrieval and writing (storing) of the various data in the flash memory 104 and the like based on the control of the CPU 101, a medium drive 107 configured to control retrieval and writing (storing) of data into a storage medium 106

such as a flash memory, the operation button 108 operated by a user for selecting an address of the terminal 10, the power switch 109 for switching ON/OFF of the power of the terminal 10, and a network interface (IF) 111 for transmitting data utilizing the communication network 2.

The terminal 10 further includes a built-in camera 112 configured to image a subject based on the control of the CPU 101, an image sensor interface (IF) 113 configured to control driving of the camera 112, the built-in microphone 114 configured to pick up audio sound, the built-in speaker 115, a voice input/output interface (I/O IF) 116, a display interface (IF) 117 configured to transmit image data to the external display 120 based on the control of the CPU 101, the external device connection interface (IF) 118 configured to connect various external devices to the connection ports (1132a to 1132c) shown in FIG. 3, the alarm lamp 119 configured to inform the user of various functional problems of the terminal 10, and a bus line 110 such as an address bus or a data bus for electrically connecting the elements and devices with one another as shown in FIG. 4 via the bus line 110.

The display 120 is a display unit formed of liquid crystal or an organic EL material configured to

display images of the subject or icons for operating the terminal 10. Further, the display 120 is connected to the display IF 117 via the cable 120c (see FIG. 3). The cable 120c may be an analog RGB (VGA) cable, a component video cable, a high-definition multimedia interface (HDMI) cable or a digital video interface (DVI) cable.

The camera 112 includes lenses and a solid-state image sensor configured to convert light into electric charges to produce digital images (videos) of the subject. Examples of the solid-state image sensor include a complementary metal oxide semiconductor (CMOS) or a charge coupled device (CCD).

The external device connection IF 118 may be connected via a universal serial bus (USB) cable with external devices, such as the external camera, the external microphone, and the external speaker. The USB cable is inserted in the connection port 1132 of the housing 1100 shown in FIG. 3. When the external camera is connected to the external device connection IF 118 via the USB cable, the external camera is driven in priority to the built-in camera 112 according to control of the CPU 101. Similarly, when the external microphone or the external speaker is connected, the external microphone or the external speaker is driven in priority to the built-in microphone 114 or the built-in speaker

115 according to control of the CPU 101.

Note that the storage medium 106 is removable from the terminal 10. In addition, if the storage medium 106 is a non-volatile memory configured to retrieve or write data based on the control of the CPU 101, the storage medium 106 is not limited to the flash memory 104, and may be an electrically erasable and programmable ROM (EEPROM).

The above-described programs for the terminal may be recorded in an installable format or in an executable format on a computer-readable recording medium such as the storage medium 106 to distribute the medium. The above-described programs for the terminal may be recorded in the ROM 102 rather than the flash memory 104. The external appearance and the hardware configuration of the terminal shown in FIGS. 3 and 4 are to show typical examples and not limited to these examples. For example, the appearance and hardware of the terminal may be a desktop or notebook personal computer. In this case, the built-in camera and the built-in microphone are not necessarily needed, and the external camera and the external microphone may be used.

Next, the hardware configuration of the management system 50, the relay device 30, the program provision system 90, and the maintenance system 100 will

be described with reference to FIG. 5. FIG. 5 is a diagram showing the hardware configuration of the management system 50 according to the embodiment. Because the relay device 30, the management system 50, the program provision system 90, and the maintenance system 100 have the external appearance which is the same as the external appearance of a server computer, a description of the external appearance thereof will be omitted.

As shown in FIG. 5, the management system 50 includes a central processing unit (CPU) 201 configured to control overall operations of the management system 50, a read-only memory (ROM) 202 storing programs for the transmission management, a random access memory (RAM) 203 utilized as a work area of the CPU 201, a hard disk (HD) 204 configured to store various data, a hard disk drive (HDD) 205 configured to control retrieval and writing (storing) of the various data in the HD 204 based on the control of the CPU 201, a medium drive 207 configured to control retrieval and writing (storing) of data into a storage medium 206 such as a flash memory, a display 208 configured to display various information such as a cursor, menus, windows, characters and images, a network interface (IF) 209 for transmitting data utilizing the later-described communication network 2, a

keyboard 211 including plural keys for inputting the characters, numerals, and various instructions, a mouse 212 for selecting or executing various instructions, selecting items to be processed, and moving the cursor, a CD-ROM drive 214 configured to control retrieval or writing of data in a compact disk read-only memory (CD-ROM) 213 as an example of a removable recording medium, a clock 215 configured to output date/time data, and a bus line 210 such as an address bus or a data bus for electrically connecting the elements and devices with one another shown in FIG. 5 via the bus line 210.

Note that the above-described programs for the management system may be in an installable format or in an executable format on a computer-readable recording medium such as the storage medium 206 or the CD-ROM 213 to distribute the medium. The above-described programs for the management system may be recorded in the ROM 202 rather than the HD 204.

Further, the relay device 30 has a hardware configuration similar to that of the management system 50, and a description of the hardware configuration of the relay device 30 will be omitted. Note that the HD 204 may store programs for controlling the relay device 30. In this case, the programs for the relay device may also be recorded in an installable format or in an

executable format on a computer-readable recording medium such as the storage medium 206 or the CD-ROM 213 to distribute the medium. The above-described programs for the relay device may be recorded in the ROM 202 rather than the HD 204.

Further, the program providing system 90 and the maintenance system 100 have a hardware configuration similar to that of the management system 50, and a description of the hardware configuration of the program providing system 90 and the maintenance system 100 will be omitted. Note that the HD 204 may store programs for controlling the program providing system 90 or the maintenance system 100. In this case, the programs for the program providing system 90 or the maintenance system 100 may also be recorded in an installable format or in an executable format on a computer-readable recording medium such as the storage medium 206 or the CD-ROM 213 to distribute the medium. The above-described programs for the program providing system 90 or the maintenance system 100 may be recorded in the ROM 202 rather than the HD 204.

Note that other examples of the removable recording medium include a compact disc recordable (CD-R), a digital versatile disk (DVD), and a Blu-ray Disc (BD).

[Functional Configuration of Embodiment]

Next, the functional configuration of the embodiment will be explained with reference to FIG. 6. FIG. 6 is a block diagram showing the functional configuration of the terminal, the relay device, and the management system which constitutes the transmission system according to the embodiment. As shown in FIG. 6, the terminal 10, the relay device 30, and the management system 50 are connected via the communication network 2 so that these devices can communicate with one another. Note that the program provision system 90 and the maintenance system 100 as shown in FIG. 1 are not directly associated with videoconferencing communications, and therefore the illustrations thereof are omitted from FIG. 6.

As shown in FIG. 6, the terminal 10 includes a transmitting/receiving unit 11, an operation input receiving unit 12, a login request unit 13, an imaging unit 14, a voice input unit 15a, a voice output unit 15b, a display control unit 16, and a store/read processing unit 19. These units of the terminal 10 represent functions and units implemented by any of the elements and devices shown in FIG. 4, which are activated by instructions from the CPU 101 based on the programs read into the RAM 103 from the flash memory 104 or the ROM

102. Further, the terminal 10 further includes a storage unit 1000 which is formed of the RAM 103 shown in FIG. 4 and the flash memory 104 or the ROM 102 shown in FIG. 4.

[Functional Units of Terminal]

Next, the functional configuration of the terminal 10 will be described with reference to FIGS. 4 and 6. The transmitting/receiving unit 11 is configured to transmit various data (information) to and receive such data from other terminals, relay devices, and systems via the communication network 2. The function of the transmitting/receiving unit 11 may be implemented by the network interface (IF) 111 shown in FIG. 4 and by instructions received from the CPU 101 shown in FIG. 4. The transmitting/receiving unit 11 is an example of a receiving unit configured to receive destination name data transmitted by the management system 50.

The operation input receiving unit 12 is configured to receive various inputs from the user, and such a function of the operation input receiving unit 12 is implemented by the operation button 108 and the power switch 109 shown in FIG. 4 and the instructions from the CPU 101 shown FIG. 4. For example, when the user switches ON the power switch 109 shown in FIG. 4, the operation input receiving unit 12 shown in FIG. 6

receives a power-ON signal to turn ON the power supply of the terminal 10.

The login request unit 13 is configured to automatically transmit a login request message indicating that the user desires to login, and a current IP address of the terminal 10 as an IP address of a request source terminal from the transmitting/receiving unit 11 to the management system 50 via the communication network 2 when the power-ON signal is received by the operation input receiving unit 12 as a trigger. Such a function of the login request unit 13 is implemented by instructions received from the CPU 101 shown in FIG. 4. On the other hand, when the user switches OFF the power switch 109, the transmitting/receiving unit 11 transmits power-OFF state information to the management system 50, and subsequently the operation input receiving unit 12 turns OFF the power supply completely. Accordingly, the management system 50 may detect that the power of the terminal 10 is changed from the power-ON state to the power-OFF state.

The imaging unit 14 is configured to take an image of a subject and output image data of the subject, and such a function of the imaging unit 14 is implemented by instructions received from the CPU 101

shown in FIG. 4 and by the camera 112 and the image sensor IF 113 shown in FIG. 4.

The voice input unit 15a is configured to input voice data of the voice signal obtained by the microphone 114 that converts voice of the user into the voice signal, and such a function of the voice input unit 15a is implemented by instructions received from the CPU 101 shown in FIG. 4 and by the voice input/output IF 116 shown in FIG. 4.

The voice output unit 15b is configured to output a voice signal corresponding to the voice data to the speaker 115 and cause the speaker 115 to produce sound or voice according to the voice signal, and such a function of the voice output unit 15b is implemented by instructions received from the CPU 101 shown in FIG. 4 and by the voice input/output IF 116 shown in FIG. 4.

The display control unit 16 is configured to control transmission of the image data to the display 120, and such a function of the display control unit 16 is implemented by instructions received from the CPU 101 shown in FIG. 4 and by the display IF 117 shown in FIG. 4. The display control unit 16 is an example of an outputting unit configured to output the destination name data to the display 120 by transmitting the destination name data received by the

transmitting/receiving unit 11 to the display 120.

The store/read processing unit 19 is configured to store various data in the storage unit 1000 or read various data from the storage unit 1000, and such a function of the store/read processing unit 19 is implemented by the SSD 105 shown in FIG. 4 and by instructions received from the CPU 101 shown in FIG. 4. The storage unit 1000 stores a terminal ID (identification), a password, etc. for identifying the terminal 10. The store/read processing unit 19 is configured to store and overwrite image data and voice data in the storage unit 1000 every time the terminal 10 receives the image data and the voice data from the destination terminal during the communication between the terminal 10 and the destination terminal. Note that the display 120 displays previous image data before being overwritten with new image data and the speaker 115 outputs previous voice data before being overwritten with new voice data.

Note that the terminal ID and the later-described relay device ID individually indicate identification information formed of language, characters and various kinds of symbols that uniquely identify the terminal 10 and the relay device 30, respectively. The terminal ID and the relay device ID

may be the identification information formed of a combination of two or more of the languages, characters, and various kinds of symbols.

[Functional Configuration of Relay Device]

As shown in FIG. 6, the relay device 30 includes a transmitting/receiving unit 31, a relay unit 32, and a store/read processing unit 39. These units of the relay device 30 represent functions and units implemented by any of the elements and devices shown in FIG. 5, which are activated by instructions from the CPU 201 based on the programs for the relay device read into the RAM 103 from the HD 204 shown in FIG. 5. The relay device 30 further includes a storage unit 3000 which is formed of the RAM 203 shown in FIG. 5 or the HD 204 shown in FIG. 5.

Next, the functional configuration of the relay device 30 will be described. Note that, in the following, the functions of the relay device 30 are explained in association with the main elements and devices for implementing the units of the relay device 30 shown in FIG. 5.

The transmitting/receiving unit 31 of the relay device 30 shown in FIG. 6 is configured to transmit various data (information) to and receive such data from other terminals, relay devices and systems via

the communication network 2, and such a function of the transmitting/receiving unit 31 may be implemented by instructions from the CPU 201 shown in FIG. 5 and by the network interface (IF) 209 shown in FIG. 5.

The relay unit 32 is configured to relay the content data exchanged between the terminals 10 in the content data session sed through the transmitting/receiving unit 31, and such a function of the relay unit 32 may be implemented by instructions received from the CPU 201 shown in FIG. 5.

The store/read processing unit 39 is configured to store various data in the storage unit 3000 and read the stored data from the storage unit 3000, and such a function of the store/read processing unit 39 may be implemented by instructions received from the CPU 201 shown in FIG. 5 and by the HDD 205 and the clock 215 shown in FIG. 5.

[Functional Configuration of Management System]

As shown in FIG. 6, the management system 50 includes a transmitting/receiving unit 51, a terminal authentication unit 52, a state managing unit 53, a terminal reading unit 54, a relay device selecting unit 56, a session managing unit 57, a store/read processing unit 59, a reservation reading unit 61, and a meeting/destination information generating unit 64.

These units of the management system 50 represent functions and units implemented by any of the elements and devices shown in FIG. 5, which are activated by instructions received from the CPU 201 based on the programs for the management system read into the RAM 203 from the HD 204. The management system 50 further includes a storage unit 5000 which is formed of the HD 204 shown in FIG. 5.

[Relay Device Management Table]

The storage unit 5000 includes a relay device management database (MGMT DB) 5001 which is formed on a relay device management table as shown in FIG. 7. FIG. 7 is a conceptual diagram showing the relay device management table. In this relay device management table, the relay device IDs of the relay devices 30 are respectively associated with the IP addresses of the relay devices 30. For example, in the relay device management table shown in FIG. 7, the relay device ID "111a" of the relay device 30a is associated with the IP address "1.2.1.2".

[Terminal Authentication Management Table]

The storage unit 5000 includes a terminal authentication management database (MGMT DB) 5002 which is formed of a terminal authentication management table as shown in FIG. 8. FIG. 8 is a conceptual diagram

showing the terminal authentication management table. In this terminal authentication management table, passwords are respectively associated with the terminal IDs of all the terminals 10 managed by the management system 50. For example, in the terminal authentication management table shown in FIG. 8, the terminal ID "01aa" of the terminal 10aa is associated with the password "aaaa".

[Session Management Table]

The storage unit 5000 includes a session management database (MGMT DB) 5005 which is formed of a session management table as shown in FIG. 9. FIG. 9 is a conceptual diagram showing the session management table. In this session management table, session IDs which identify content data sessions "sed" in which the content data are exchanged between the terminals 10 are associated with reservation IDs which identify reservations for the communication to which the corresponding session is related, relay device IDs which identify the relay devices 30 used for relaying the content data in the corresponding session, and terminal IDs which identify the terminals 10 conducting the communication in the corresponding session. For example, in the session management table shown in FIG. 9, the session ID "se03" is associated with the reservation ID

"rsv08" and it is shown that the relay device 30c with the relay device ID "111c" relays the content data between the terminals "10ae" and "10dc" in the corresponding session. When the communication which is not related to the reservation is conducted, the item of reservation ID of the session management table remains blank.

[Destination List Management Table]

The storage unit 5000 includes a destination list management database (MGMT DB) 5004 which is formed of a destination list management table as shown in FIG. 10. FIG. 10 is a conceptual diagram showing the destination list management table. In this destination list management table, terminal IDs (an example of request source identification data) of the terminals 10 as request source terminals are associated with terminal IDs of the destination candidate terminals with which the request source terminals 10 can communicate, and destination name data (first destination name data) which indicate names of the destination candidate terminals. For example, in the destination list management table shown in FIG. 10, it is observed that the destination candidate terminals with which the terminal 10aa having the terminal ID "01aa" as the request source terminal can communicate are the

terminals (10ab, 10ba, ..., 10db). Further, in the destination list management table, two or more destination name data items (i.e., "Osaka YY planning team", "Osaka BO, A Inc.", etc.) are managed with respect to a single destination (i.e., the destination terminal 10ba with the destination terminal ID "01ba"). The destination name data is registered in response to receiving a request of registration of the destination name data in which a destination terminal with which the request source terminal 10 can communicate is designated. Note that, in this embodiment, appropriate names that are frequently used on the request source side are used as the first destination name data (for example, in a case of destination terminals in their own company, the names such as team names are used, and in a case of destination terminals in other companies, names such as company names are used) such that the request source terminal can easily identify the destination terminal. The destination list management database 5004 in which the first destination name data is managed constitutes part of a destination name data managing unit 5010 shown in FIG. 6.

[Reservation Management Table]

The storage unit 5000 includes a reservation management database (RSVN MGMT DB) 5009 which is formed

of a reservation management table as shown in FIG. 11A and a reservation terminal management table as shown in FIG. 11B. FIG. 11A is a conceptual diagram showing the reservation management table, and FIG. 11B is a conceptual diagram showing the reservation terminal management table. In the reservation management table, when the meeting communication between the terminals 10 is reserved, the reservation ID which identifies the reservation is associated with the start date/time of the meeting, the end date/time of the meeting, and the meeting name. For example, in the reservation management table shown in FIG. 11A, the reservation ID "rsv03" which identifies the reservation of a meeting is associated with the start date/time "15:00 on November 10, 2011", the end date/time "17:00 on November 10, 2011", and the meeting name "security meeting".

On the other hand, in the reservation terminal management table, the above-described reservation ID is associated with the terminal ID of the terminal 10 which conducts the reserved meeting communication, and the destination name data (second destination name data) which indicates the name of the destination when the terminal 10 is selected as the destination terminal. When two or more reservations are assigned to a single terminal 10, two or more destination name data items

(i.e., "Tokyo KK sales project team", "Tokyo", etc.) may be associated with the single terminal 10 (i.e., the terminal 10aa with the terminal ID "01aa"). Note that, in this embodiment, an appropriate name is used as the second destination name data so that each participant at the meeting can easily identify other participants. The reservation terminal management table of the reservation management database (DB) 5009 in which the second destination name data is managed constitutes part of the destination name data managing unit 5010 shown in FIG. 6.

An additional table record containing the reservation ID, the start date/time, the end date/time, the meeting name, the terminal ID, and the destination name data may be registered in the reservation management table and the reservation terminal management table by the store/read processing unit 59 of the management system 50 in response to receiving a record registration request from any one of the terminals 10.

[Terminal Management Table]

The storage unit 5000 includes a terminal management database (MGMT DB) 5003 which is formed of a terminal management table as shown in FIG. 12. FIG. 12 is a conceptual diagram showing the terminal management table. In this terminal management table, the terminal IDs of the terminals 10 are associated with the

operating states of the terminals 10, the IP addresses of the terminals 10, and the destination name data items (third destination name data) which indicate the names of the destinations when the corresponding terminal 10 is selected as the destination. For example, in the terminal management table shown in FIG. 12, the terminal ID "01aa" of the terminal 10aa is associated with the operating state "online", the IP address "1.2.1.3" of the terminal 10aa, and the destination name data "03-1234-OOOO" of the terminal 10aa.

Note that, in this embodiment, a numeric value such as a telephone number is used as the third destination name data such that the destination name data may be notified to all the other terminals 10 with which the source terminal can communicate. The terminal management database 5003 in which the third destination name data is managed constitutes part of the destination name data managing unit 5010 shown in FIG. 6.

[Functional Configuration of Management System]

Next, the functional configuration of the management system 50 will be described. Note that, in the following, the functions of the management system 50 are explained in association with the main elements and devices for implementing the units of the management system 50 shown in FIG. 5.

The transmitting/receiving unit 51 of the management system 50 is configured to transmit various data (information) to and receive such data from other terminals, relay devices and systems via the communication network 2, and such a function of the transmitting/receiving unit 51 may be implemented by instructions received from the CPU 201 shown in FIG. 5 and by the network IF 209 shown in FIG. 5. The transmitting/receiving unit 51 is an example of a destination name data transmitting unit configured to perform a process for transmitting destination name data which transmits destination name data to the terminal 10.

The terminal authentication unit 52 is configured to search for the terminal authentication management table (FIG. 8) of the storage unit 5000 with the terminal ID and the password contained in the login request message received by the transmitting/receiving unit 51 used as search keys, and authenticate the corresponding terminal based on whether the terminal ID and the password contained in the login request message are identical to those managed in the terminal authentication management table. The function of the terminal authentication unit 52 may be implemented by instructions received from the CPU 201 shown in FIG. 5.

The state managing unit 53 is configured to

manage the terminal management table (FIG. 12) by associating the terminal ID, the operating state, and the IP address of the request source terminal which has sent the login request, in order to manage the operating state of the request source terminal. The function of the state managing unit 53 may be implemented by instructions received from the CPU 201 shown in FIG. 5. Further, the state managing unit 53 is configured to receive the power-OFF state information sent from the terminal 10 when the user switches OFF the power switch 109 of the terminal 10, and changes the operating state of the terminal management table from the online state to the off-line state based on the received power-OFF state information.

The terminal reading unit 54 is configured to search for the terminal ID of the destination candidate terminal 10 in the destination list management table (FIG. 10) by the terminal ID of the source terminal having sent the login request used as search keys, and obtain the terminal ID of the destination candidate terminal 10. The function of the terminal reading unit 54 may be implemented by instructions received from the CPU 201 shown in FIG. 5. Further, the terminal reading unit 54 is an example of a destination name data reading unit configured to perform a destination name data

reading process which obtains at least one destination name data item from the plural destination name data items managed in the destination name data managing unit 5010 formed of the terminal management database 5003, the destination list management database 5004, and the reservation management database 5009.

The relay device selecting unit 56 is configured to select the relay device 30 used for relaying the content data between the terminals 10 in the communication in the content data session sed. The function of the relay device selecting unit 56 may be implemented by instructions from the CPU 201 shown in FIG. 5.

The session managing unit 57 is configured to generate a session ID which identifies a content data session sed every time the content data session sed between the terminals 10 is newly established. The function of the session managing unit 57 may be implemented by instructions received from the CPU 201 shown in FIG. 5. Further, the session managing unit 57 is configured to associate the session ID, the reservation ID, the terminal ID, and the relay device ID, and store and manage them in the session management table (FIG. 9).

The store/read processing unit 59 is

configured to perform a process which stores various data in the storage unit 5000 and reads the stored data from the storage unit 5000. The function of the store/read processing unit 59 may be implemented by instructions received from the CPU 201 shown in FIG. 5 and by the HDD 205 and the clock 215 shown in FIG. 5.

The reservation reading unit 61 is configured to search for the reservation terminal management table (FIG. 11) by the reservation ID used as a search key, and obtain the corresponding terminal ID. The function of the reservation reading unit 61 may be implemented by instructions received from the CPU 201 shown in FIG. 5. Further, the reservation reading unit 61 is configured to search for the reservation management table by the reservation ID used as a search key and obtain the corresponding meeting name, the start date/time, and the end date/time.

The meeting/destination information generating unit 64 is configured to generate, with respect to each reservation ID, meeting information which contains the meeting name, the start date/time, and the end date/time, and destination information which contains the terminal ID, the operating state, and the destination name data. The function of the meeting/destination information generating unit 64 may be implemented by instructions

received from the CPU 201 shown in FIG. 5. Further, the meeting/destination information generating unit 64 is configured to generate meeting detailed information which contains the reservation ID, the meeting name, the start date/time, the end date/time, the terminal ID, the operating state and the destination name data.

[Processes and Operation]

Next, the processes carried out by the transmission system 1 according to the embodiment will be described. First, a process for transmitting and receiving the management data in a preparatory step before the terminal 10aa starts communication will be described with reference to FIGS. 13 to 16. FIG. 13 is a sequence diagram for explaining a preparatory process for starting communication between terminals. FIG. 14 is a flowchart for explaining a process for generating the meeting information and the destination information. FIG. 15A is a conceptual diagram showing an example of the meeting information and FIG. 15B is a conceptual diagram showing an example of the destination information. FIG. 16 is a conceptual diagram showing an example of a meeting list and a destination list. In the process of FIG. 13, various management data is transmitted and received in the management data session "sei" shown in FIG. 2.

In the process of FIG. 13, if the user of the terminal 10aa switches ON the power switch 109 shown in FIG. 4, the operation input receiving unit 12 shown in FIG. 6 receives a power-ON signal from the power switch 109 and turns ON the power supply of the terminal 10aa (step S21). In response to the power-ON signal, the login request unit 13 transmits automatically a login request message indicating the user's login request from the transmitting/receiving unit 11 to the management system 50 via the communication network 2 (step S22). This login request message contains the terminal ID and the password which identify the terminal 10aa as the request source terminal. The terminal ID and the password are read from the storage unit 1000 through the store/read processing unit 19 and sent to the transmitting/receiving unit 11. Note that when the terminal 10aa transmits the login request message to the management system 50, the management system 50 as the receiver station may detect the IP address of the terminal 10aa as the transmitter station.

Subsequently, the terminal authentication unit 52 of the management system 50 searches for the terminal authentication management table (FIG. 8) of the terminal authentication management database 5002 of the storage unit 5000 by using the terminal ID and the password

contained in the login request message received at the transmitting/receiving unit 51 as search keys, and authenticates the terminal 10aa based on whether the terminal ID and password contained in the login request message are identical to those managed in the terminal authentication management table (step S23). The terminal ID and the password which are identical to those contained in the login request message are managed by the terminal authentication unit 52, and when the terminal authentication unit 52 determines that the terminal 10 from which the login request message has been received has the authorized access right, the state managing unit 53 associates the terminal ID of the terminal 10aa with the operating state and the IP address of the terminal 10aa contained in the login request message and stores the same in the terminal management database (DB) 5003 (FIG. 12) (step S24). Accordingly, the terminal ID "01aa" associated with the operating state "online" and the IP address "1.2.1.3" of the terminal 10aa are stored in the terminal management table as shown in FIG. 12.

Subsequently, the transmitting/receiving unit 51 of the management system 50 transmits the authentication result information, indicating the authentication result obtained from the terminal

authentication unit 52, through the communication network 2 to the terminal 10aa from which the above login request message has been received (step S25). Note that, in this embodiment, the management system 50 continuously performs the following process (FIG. 14) in the case where the terminal authentication unit 52 determines that the terminal has the authorized access right.

The meeting/destination information generating unit 64 of the management system 50 generates meeting information that indicates a meeting which contains as a participant the terminal 10aa from which the login request message has been received, and destination information that indicates a candidate for the destination of the terminal 10aa (step S26). This process for generating the meeting information and the destination information will be described with reference to FIG. 14.

FIG. 14 is a flowchart for explaining the process for generating the meeting information and the destination information. In the process of FIG. 14, the reservation reading unit 61 of the management system 50 first searches for the reservation terminal management table (FIG. 11B) by using the terminal ID "01aa" of the terminal 10aa from which the login request message has

been received as a search key, and reads the corresponding reservation IDs ("rsv01", "rsv02") from the reservation terminal management table (step S26-1). Hence, the reservation IDs which identify the reservation of the meeting in which the terminal 10aa is scheduled to participate are read and obtained.

Further, the reservation reading unit 61 searches for the reservation management table (FIG. 11A) by using the read reservation IDs ("rsv01", "rsv02") as search keys, and reads a start date/time, an end date/time, and a meeting name of the meeting indicated by each reservation ID from the reservation management table (step S26-2). The meeting/destination information generating unit 64 generates the meeting information that indicates the start date/time, the end date/time, and the meeting name for each of the reservation IDs read by the reservation reading unit 61 (step S26-3). An example of the generated meeting information is shown in FIG. 15A.

Subsequently, the terminal reading unit 54 of the management system 50 searches for the destination list management table (FIG. 10) by using the terminal ID "01aa" of the terminal 10aa from which the login request message has been received as a search key, and reads the destination name data that indicates the terminal ID of

the destination candidate terminal 10 with which the terminal 10aa can communicate, and the destination candidate terminal name (step S26-4). For example, at this time, a terminal ID ("01ab", ...) and a destination name data ("XX sales project team", ...) of the destination candidate terminal (10ab, ...) corresponding to the terminal ID "01aa" of the terminal 10aa may be read and obtained.

Subsequently, the terminal reading unit 54 searches for the terminal management table (FIG. 12) by using the read terminal ID ("01ab", ...) of the destination candidate terminal 10 as a search key, and reads an operating state ("during meeting", ...) (step S26-5). Accordingly, the meeting/destination information generating unit 64 generates the destination information that contains the terminal ID, the destination name data, and the operating state of the destination candidate terminal 10 (step S26-6). An example of the generated destination information is shown in FIG. 15B.

Subsequently, as shown in FIG. 13, the transmitting/receiving unit 51 of the management system 50 transmits the meeting information and the destination information generated by the meeting/destination information generating unit 64 to the terminal 10aa

(step S27). In the terminal 10aa, the transmitting/receiving unit 11 receives the meeting information and the destination information, and the store/read processing unit 19 stores the meeting information and the destination information in the storage unit 1000 (step S28).

When predetermined timing is reached, the management system 50 repeatedly performs the processing of the step S26, and manages updates of the meeting information and the destination information (step S29). When one of the meeting information and the destination information is updated, the transmitting/receiving unit 51 transmits the meeting information (the reservation ID, the start date/time, the end date/time, and the meeting name) and the destination information (the terminal ID, the operating state, and the destination name data) to the terminal 10aa (step S30). The store/read processing unit 19 of the terminal 10aa sequentially performs updates by storing the meeting information and the destination information received from the management system 50 into the storage unit 1000 (step S31).

The display control unit 16 of the terminal 10aa displays a meeting list and a destination list on display 120aa based on the meeting information and destination information stored in the storage unit 1000

(step S32). An example of the meeting list and the destination list displayed is shown in FIG. 16.

As shown in FIG. 16, in a meeting and destination list box 311-1, the meeting list and the destination list are displayed. The destination list includes a plurality of destination name data items 311-2, such as "XX sales project team", and a plurality of icons (311-3a, 311-3b, 311-3c) which indicate the operating states of the destination candidate terminals 10 of the destination name data items. For example, the icon 311-3a as one of the plurality of icons indicates that this terminal 10 is one of the destination candidate terminals which is in an on-line state, ready for operation, and capable of communicating with the terminal 10aa. The icon 311-3b indicates that this terminal 10 is one of the destination candidate terminals which is in an off-line state and not capable of communicating with the terminal 10aa. The icon 311-3c indicates that this terminal 10 is one of the destination candidate terminals which is conducting the videoconference.

Further, in the meeting and destination list box 311-1, the meeting list includes a plurality of meeting data items 311-4, such as "2011/11/10 10:00-11:30 Sales Meeting", and a plurality of icons 311-4a

for requesting the meeting detailed information for each meeting name. Each of the meeting data items 311-4 includes the start date/time, the end date/time, and the meeting name of the corresponding meeting.

Next, the process for receiving the reservation of the meeting communication between the terminals 10 will be described with reference to FIGS. 17 and 18. FIG. 17 is a sequence diagram for explaining the process for receiving the reservation. FIG. 18 is a conceptual diagram showing an example of a reservation acceptance screen. Note that in the process of FIG. 17, various management data is transmitted and received in the management data session "sei" shown in FIG. 2.

After the destination information from the management system 50 is received at the terminal 10aa in step S27 in FIG. 13, in the process of FIG. 17, the operation input receiving part 12 of the terminal 10aa receives the reservation of the meeting communication between the terminals (step S41). In this case, the display control unit 16 of the terminal 10aa displays on a display 120aa the reservation acceptance screen shown in FIG. 18. The operation input receiving unit 12 receives the meeting name, the start date/time, the end date/time, and the terminal 10 scheduled to participate in the meeting, which are input from the user. In this

embodiment, the terminal 10 scheduled to participate in the meeting may be selected from among the terminals 10 identified by the terminal IDs contained in the destination information received from the management system 50. The destination name data items contained in the destination information are initially set as the names of the terminals 10 scheduled to participate in the meeting. Such initial terminal name is updated by selecting the corresponding one of the icons 320 present in the reservation acceptance screen and editing the same. After these data items are received by the operation input receiving unit 12, the transmitting/receiving unit 11 of the terminal 10aa transmits to the management system 50 a reservation request message which indicates the reservation request and contains the meeting name, the start date/time, the end date/time, the terminal ID of the terminal 10 scheduled to participate in the meeting, and the updated destination name data (step S42).

After the reservation request message is received by the transmitting/receiving unit 51 of the management system 50, the store/read processing unit 59 associates the reservation ID with the meeting name, the start date/time, and the end date/time contained in the reservation request message, and stores the same in the

reservation management table (FIG. 11A) (step S43). Note that the above reservation ID may be generated by the management system 50, or may be generated by the terminal 10aa if the reservation ID uniquely identifies the meeting reservation. Further, the store/read processing unit 59 associates the reservation ID with the terminal ID and the updated destination name data and stores the same in the reservation terminal management table (FIG. 11B) (step S43).

Next, the process for requesting the management system 50 to provide the meeting detailed information of the reserved meeting before the terminal 10aa starts conducting the reserved meeting will be described with reference to FIGS. 19 to 22. The meeting detailed information includes the destination name data of the destination terminal 10 which is capable of communicating with the terminal 10aa. FIG. 19 is a sequence diagram for explaining the process for reading the meeting detailed information. FIG. 20 is a flowchart for explaining the process for generating the meeting detailed information. FIG. 21 is a conceptual diagram showing an example of the meeting detailed information. FIG. 22 is a conceptual diagram showing an example of a meeting detailed list. Note that in the process of FIG. 19, various management data is

transmitted and received in the management data session "sei" shown in FIG. 2.

In the process of FIG. 19, if the user of the terminal 10aa presses the operation button 108 shown in FIG. 4 and selects the icon 311-4a corresponding to the meeting from among the icons contained in the meeting list (refer to FIG. 16), the operation input receiving unit 12 receives the request of the meeting detailed information (step S51). The transmitting/receiving unit 11 of the terminal 10aa transmits a meeting detailed request message which indicates the meeting detailed information request and contains the terminal ID of the terminal 10aa and the reservation ID (at step S27 in FIG. 13) corresponding to the selected meeting, to the management system 50 (step S52). The transmitting/receiving unit 51 of the management system 50 accepts the request of the meeting detailed information by receiving the meeting detail request message from the terminal 10aa.

Subsequently, the meeting/destination information generating unit 64 of the management system 50 generates the meeting detailed information which contains the detailed information of the destination terminal scheduled to participate in the meeting and selected by the terminal 10aa (step S53). The process

for generating the meeting detailed information will be described with reference to FIG. 20.

In the process of FIG. 20, the reservation reading unit 61 searches for the reservation management table (FIG. 11A) by using the reservation ID contained in the meeting detailed request message received from the terminal 10aa as a search key, and reads the meeting name, the start date/time, and the end date/time from the reservation management table (step S53-1). Subsequently, the reservation reading unit 61 searches for the reservation terminal management table (FIG. 11B) by using the reservation ID contained in the meeting detail request message received from the terminal 10aa as a search key, and reads the terminal ID from the reservation terminal management table (step S53-2).

The terminal reading unit 54 determines whether the destination name data (second destination name data) associated with the terminal ID obtained at step S53-2 is managed in the reservation terminal management table (FIG. 11B) (step S53-3). When the destination name data is determined as being managed in the reservation terminal management table (YES of step S53-3), the terminal reading unit 54 reads the destination name data (second destination name data), associated with the reservation ID received from the

terminal 10aa and the terminal ID obtained at step S53-2, from the reservation terminal management table (step S53-4).

On the other hand, when the destination name data (second destination name data) is determined as not being managed in the reservation terminal management table (NO of step S53-3), the terminal reading unit 54 determines whether the destination name data (first destination name data) associated with both the terminal ID "01aa" of the terminal 10aa as the request source terminal and the terminal ID of the destination terminal obtained at step S53-2 is managed in the destination list management table (FIG. 10) (step S53-5).

When the destination name data is determined as being managed in the destination list management table (YES of step S53-5), the terminal reading unit 54 reads the destination name data (first destination name data) associated with both the terminal ID "01aa" of the terminal 10aa as the request source terminal and the terminal ID obtained at step S53-2 from the destination list management table (step S53-6).

On the other hand, when the destination name data is determined as not being managed in the destination list management table (NO of step S53-5), the terminal reading unit 54 reads the destination name

data (third destination name data) associated with the terminal ID obtained at step S53-2 from the terminal management table (FIG. 12) (step S53-7).

Subsequently, the terminal reading unit 54 searches for the terminal management table (FIG. 12) by using the terminal ID obtained at step S53-2 as a search key, and reads the operating state from the terminal management table (step S53-8).

Note that, if two or more terminal IDs associated with the reservation ID are read at step S53-2, the terminal reading unit 54 may read the destination name data associated with each of such terminal IDs by repeating the processing of the steps S53-3 to S53-8.

After the reading of the destination name data is completed, the meeting/destination information generating unit 64 generates the meeting detailed information which contains: the reservation ID; the terminal ID, the start date/time, the end date/time, the meeting name (which are obtained by the reservation reading unit 61); and the destination name data and the operating state (which are obtained by the terminal reading unit 54) (step S53-9). An example of the generated meeting detailed information is shown in FIG. 21.

Subsequently, in the process of FIG. 19, the

transmitting/receiving unit 51 of the management system 50 transmits the meeting detailed information generated by the meeting/destination information generating unit 64 to the terminal 10aa (step S54). In the terminal 10aa, the transmitting/receiving unit 11 receives the meeting detailed information from the management system 50. The display control unit 16 of the terminal 10aa generates a meeting detailed list including the destination name data based on the meeting detailed information received by the transmitting/receiving unit 11, and displays the meeting detailed list on the display 120aa (step S55). An example of the displayed meeting detailed list is shown in FIG. 22.

As shown in FIG. 22, a meeting detailed list 311-6 including a list of attendant terminals (the destination name data items) is displayed. The meeting detailed list includes the start date/time, the end date/time, and the meeting name 311-7 of the corresponding meeting. The list of attendant terminals includes a plurality of destination name data items 311-2, such as "Tokyo", and a plurality of icons (311-3a, ..., 311-3c) which indicate the operating states of the attendant terminals (the destination name data items). An entry button 311-5 used for receiving a reserved meeting communication start request from the

user is displayed in the meeting detailed list 311-6. Accordingly, the terminal 10aa may receive the reserved meeting communication start request from the user when viewing the screen in which the meeting detailed list is displayed.

Next, the process for starting the reserved meeting communication on the terminal 10aa will be described with reference to FIG. 23. FIG. 23 is a sequence diagram for explaining the process for starting the communication. In the process of FIG. 23, various management data is transmitted and received in the management data session "sei" shown in FIG. 2.

It is assumed that when the terminal 10aa requests the start of the reserved meeting communication, the terminal 10ba and the terminal 10db are in a state in which the reserved meeting communication is carried out through the relay device 30a in the content data session "sed" shown in FIG. 2.

In the process of FIG. 23, if the user of the terminal 10aa presses the entry button 311-5 of the meeting detailed list (FIG. 22), the operation input receiving unit 12 receives the reserved meeting communication start request (step S61).

Subsequently, the transmitting/receiving unit 11 of the terminal 10aa transmits a start request

message which indicates the communication start request and contains the terminal ID "01aa" of the terminal 10aa, and the reservation ID "rsv02" received at step S54, to the management system 50 (step S62). The transmitting/receiving unit 51 of the management system 50 receives the communication start request from the terminal 10aa by the received start request message, and detects the IP address "1.2.1.3" of the terminal 10aa as the transmitter station. The state managing unit 53 of the management system 50 changes the data item in the "operating state" field of the record of the terminal management table (FIG. 12) including the terminal ID "01aa" of the terminal 10aa in the start request message to "during meeting" (step S63).

The session managing unit 57 of the management system 50 writes the terminal ID "01aa" of the terminal 10aa to the "terminal ID" field of the record of the session management table (FIG. 9) including the reservation ID "rsv02" received from the terminal 10aa (step S64). The session managing unit 57 searches for the session management table by using the reservation ID "rsv02" received from the terminal 10aa as a search key, and reads the corresponding session ID "se01" and the corresponding relay device ID "111a" from the session management data (step S65). Note that the session ID

"se01" is generated by the session managing unit 57 when one of the terminals (10ba, 10db) first starts the reserved meeting communication, and such session ID is stored in the session management table. Further, note that the relay device ID "111a" is selected by the relay device selecting unit 56 when one of the terminals (10ba, 10db) first starts the reserved meeting communication, and such relay device ID is stored in the session management table by the session managing unit 57.

Subsequently, the transmitting/receiving unit 51 of the management system 50 transmits the session ID "se01" obtained at step S65 and the relay device connection message used for connecting the terminal with the relay device 30a to the terminal 10aa via the communication network 2 (step S66). The IP address of the relay device 30a, the certification information, and the port number may be included in the relay device connection message. The terminal 10aa is connected to the relay device 30a by using the relay device connection message, and transmits the content data to the relay device 30a.

Subsequently, the transmitting/receiving unit 51 of the management system 50 transmits a relay start request message indicating the relay start request to the relay device 30a (step S67). The IP address of the

terminal 10aa which newly starts communication in the content data session sed, and the session ID "se01" obtained at step S65 are contained in the relay start request message. The store/read processing unit 39 of the relay device 30a stores the IP address of the terminal 10ab which newly participates in the content data session sed indicated by the session ID "se01" in the storage unit 3000. The relay unit 32 relays the content data received from the terminal 10aa to the terminals (10ba, 10db) via the transmitting/receiving unit 31 based on the IP address stored in the storage unit 3000, and relays the content data received from the terminals (10ba, 10db) to the terminal 10aa. Accordingly, the content data session sed is established between the terminals (10aa, 10ba, 10db) for transmitting and receiving the content data between the terminals (10aa, 10ba, 10db). The terminal 10aa starts the reserved meeting communication between the terminals (10ba, 10db) by the content data session.

[Supplementary Information of Embodiment]

According to the embodiment, the destination name data items may not be limited if the destination name data items indicate names of a destination. The destination name data items may contain information representing names relevant to the terminals 10, such as

serial numbers, addresses, and phone numbers of the terminals 10, and names of regions in which the terminals 10 are arranged, or information representing names relevant to the users of the terminals 10, such as project names, team names, and user names of the terminal users.

Further, according to the embodiment, the management system 50 and the program provision system 90 may be integrated in a single computer, or various functions and units of the management system 50 and the program provision system 90 may be separately arranged in two or more computers. Moreover, if the program provision system 90 is formed in a single computer, programs transmitted by the program provision system 90 may be grouped into two or more modules or may not be grouped. Further, if the program provision system 90 is formed of two or more computers, the programs grouped into modules may be transmitted from the separate computers.

Moreover, according to the embodiment, recording media storing a terminal program, a relay device program and a transmission management system program, and the program provision system 90 including the HD 204 storing such programs may be distributed to users domestically and abroad as a program product.

Moreover, according to the embodiment, the IP addresses of the relay devices are managed by the relay device management table shown in FIG. 7 and the IP addresses of the terminals are managed by the terminal management table shown in FIG. 12. However, alternatively, respective fully qualified domain names (FQDNs) of the relay devices 30 and the terminals 10 may be managed instead of the respective IP addresses as relay device specifying information for specifying the relay devices 30 over the communication network 2 and terminal specifying information for specifying the terminals 10 over the communication network 2. In this case, a known domain name system (DNS) server may acquire the IP address corresponding to the FQDN. Note that the "relay device specifying information for specifying the relay devices 30 over the communication network 2" may be also expressed as "relay device destination information indicating destinations of the relay devices 30 over the communication network 2" or "relay device access point information indicating access points of the relay devices 30 over the communication network 2". Similarly, the "terminal specifying information for specifying the terminals 10 over the communication network 2" may also be expressed as "terminal access point information indicating access

points of the terminals 10 over the communication network 2" or "terminal destination information indicating destinations of the terminals 10 over the communication network 2".

In this embodiment, the term "videoconference" and the term "teleconference" may be interchangeably used.

Further, according to the above-described embodiment, the videoconference system is described as an example of the transmission system 1. However, the transmission system 1 may not be limited to the videoconference system if the transmission system 1 is a system capable of conducting the communications with a specified destination. The transmission system 1 may be phone systems, such as Internet protocol (IP) phones or Internet phones, and other systems, such as facsimile devices, social networking service (SNS) devices, online game devices or e-mail devices. Further, the transmission system 1 may be utilized for an audio-conference system or a personal computer (PC) screen sharing system.

The transmission system 1 may be a mobile phone communication system. In this case, the transmission terminal may be a mobile phone terminal. FIG. 24 shows an example of a destination list displayed

on the mobile phone terminal. FIG. 24 is a conceptual diagram showing an example of a destination list displayed on the transmission terminal according to another embodiment. Specifically, the mobile phone terminal as the terminal 310 includes a main body 310-1, a menu screen display button 310-2 arranged in the main body 310-1, a display unit 310-3 arranged in the main body 310-1, a microphone 310-4 provided in a lower part of the main body 310-1, and a speaker 310-5 provided in a surface of the main body 310-1. Among these, the "menu screen display button" 310-2 is utilized for displaying a menu screen on which icons of various applications are displayed. The display unit 310-3 is formed of a touch panel on which the user touches with a finger or hand to select a desired destination name data item in order to communicate with a person of another mobile phone terminal of the selected destination name data item.

Further, according to the embodiment, the videoconference is implemented by the transmission system 1. However, the transmission system 1 may not be limited to the videoconference system. The transmission system 1 may be utilized for a preliminary meeting, a general conversation between family members or friends, or one-way presentation of information.

[Major Effects of Embodiment]

As described above, in the transmission system according to the embodiment, the destination name data managing unit 5010 is configured to manage two or more destination name data items indicating names of a destination in the communications between the terminals 10. The terminal reading unit 54 is configured to read at least one destination name data item from among the destination name data items. The transmitting/receiving unit 51 is configured to transmit the read destination name data item to a terminal 10 which is capable of communicating with the destination. In this case, the destination name data managing unit 5010 is able to manage the plural destination name data items according to the communications with respect to the single destination, and it is possible to provide an appropriate destination name data item for the communications.

Further, according to the embodiment, the plurality of first destination name data items are associated with the terminal IDs of the terminals 10 as the request source terminals and such data items associated with the terminal IDs are managed in the destination list management table (FIG. 10). The terminal reading unit 54 is configured to read from the

destination list management table a first destination name data item (e.g., "Company B, Washington D.C.") associated with a terminal ID (e.g., "01aa") of a request source terminal. The transmitting/receiving unit 51 is configured to transmit the first destination name data item to the terminal 10 (e.g., the terminal 10aa) which is the request source terminal. Accordingly, a plurality of easy-to-specify destination name data items of one destination on the request source terminal may be managed in the destination list management table per request source terminal, and the management system 50 may provide one of the plurality of easy-to-specify destination name data items for the request source terminal.

Moreover, according to the embodiment, the plurality of second destination name data items are associated with the reservation IDs and such data items associated with the reservation IDs are managed in the reservation terminal management table (FIG. 11B). The terminal reading unit 54 is configured to read from the reservation terminal management table a second destination name data item (e.g., "Tokyo") associated with a reservation ID (e.g., "rsv02"). The transmitting/receiving unit 51 is configured to transmit the second destination name data item to the terminal 10

(e.g., the terminal 10db) which starts the communications relevant to the reservation. Accordingly, a plurality of easy-to-specify destination name data items of one destination on the terminal 10 which participates in the communications relevant to the reservation may be managed in the reservation terminal management table per reservation, and the management system 50 may provide one of the plurality of easy-to-specify destination name data items for the request source terminal.

Further, according to the embodiment, the terminal reading unit 54 is configured to read, when a second destination name data item is not managed in the reservation terminal management table (FIG. 11B), a first destination name data item from the destination list management table (FIG. 10). The transmitting/receiving unit 51 is configured to transmit the first destination name data item to the terminal 10 which is the request source terminal which starts the communications relevant to the reservation. Accordingly, even when the second destination name data item associated with the reservation ID is not managed, the management system 50 may read the first destination name data item and transmit the first destination name data item to the terminal 10 as the request source terminal.

In addition, according to the embodiment, the third destination name data items are managed in the terminal management table (FIG. 12). Accordingly, even when the destination name data item relevant to the request source terminal or the destination name data item relevant to the reservation is not managed, the management system 50 may read the third destination name data item and transmit the third destination name data item to the terminal 10 as the request source terminal.

Further, according to the embodiment, the plurality of destination name data items may contain information representing names relevant to the terminals 10, such as serial numbers, addresses, and phone numbers of the terminals 10, and names of regions in which the terminals 10 are arranged, or information representing names relevant to the users of the terminals 10, such as project names, team names, and user names of the terminal users. Accordingly, the flexibility of selection of the destination name data items when specifying the name of the destination may be increased.

As described above, in the transmission system according to the embodiment, the transmission management system manages a plurality of destination name data items which indicate a plurality of names of a single destination in the communications between the

transmission terminals, reads at least one destination name data item from among the plurality of destination name data items, and transmits the destination name data item to a transmission terminal capable of communicating with the destination. In this case, the transmission management system is able to manage the plural destination name data items according to the communications with respect to the single destination, and it is possible to provide an appropriate destination name data item for the communications.

The transmission management system according to the invention is not limited to the above embodiments and various variations and modifications may be made without departing from the scope of the present invention.

The present application is based on and claims the benefit of priority of Japanese Patent Application No. 2012-171192, filed on August 1, 2012, the entire content of which are hereby incorporated by reference.

Docket No. 533961US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:	Kaoru MAEDA, et al.		
SERIAL NO:	New Application	GAU:	Unassigned
FILED:	Herewith	EXAMINER:	Unassigned
FOR:	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM		

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

Commissioner:

Applicant(s) wish to disclose the following information.

REFERENCES

■ The applicant(s) wish to make of record the reference(s) listed on the attached form PTO-1449 and/or accompanying documents from a corresponding foreign application. Copies of the listed reference(s) were made of record in parent Application No. 16/291,842 filed March 4, 2019, as are either statements of relevancy, English translations of the categories of cited documents for foreign search reports or English translations of foreign Office Actions which provide the statement of relevancy for the foreign language references cited therein, or any readily available partial or full English translations of pertinent portions of any non-English language reference(s).

☐ Credit card payment is being made online (if electronically filed), or is attached hereto (if paper filed), in the amount required under 37 CFR §1.17(p).

CERTIFICATION

☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

■ Please charge any additional fees for the papers being filed herewith and for which no payment is enclosed herewith, or credit any overpayment to deposit account number **15-0030**.

Respectfully submitted,

OBLON, McCLELLAND,
MAIER & NEUSTADT, L.L.P.

/Sameer Gokhale/

Kurt M. Berger, Ph.D.
Registration No. 51,461

Sameer Gokhale
Registration No. 62,618

Customer Number
22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OMMN 02/12)

Docket No. 533961US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S) Kaoru MAEDA, et al.

SERIAL NO: New Application ART UNIT: Unassigned

FILING DATE: Herewith EXAMINER: Unassigned

FOR: TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM

FEE TRANSMITTAL

☐ No additional fee is required

☐ Small entity status of this application under 37 C.F.R. §1.9 and §1.27 is claimed.

☐ Track 1 Prioritized Examination

The Fee has been calculated as shown below:

FOR	NUMBER FILED	NUMBER EXTRA	RATE	CALCULATIONS
TOTAL CLAIMS	1 - 20 =	0	x $100 =	$0.00
INDEPENDENT CLAIMS	1 - 3 =	0	x $480 =	$0.00
UTILITY APPLICATION SIZE FEE	72* - 100 = (* 95 x .75)	0 (each addtl. 50 sheets over 100)	x $420 =	$0.00
☐ MULTIPLE DEPENDENT CLAIMS (If applicable)			+ $860 =	$0.00
☐ LATE FILING OF DECLARATION			+ 160 =	$0.00
☐ NON-ELECTRONIC FILING FEE			+ $400 =	$0.00
■ FILING FEE ($320.00) ■ SEARCH FEE ($700.00) ■ EXAMINATION FEE ($800.00)			BASIC FEES	$1,820.00
			TOTAL OF ABOVE CALCULATIONS	$1,820.00
☐ REDUCTION BY 50% FOR FILING BY SMALL ENTITY				$0.00
☐ FILING FEE REDUCED IF E-FILED – SMALL ENTITY			+ $-80 =	$0.00
☐ FILING IN NON-ENGLISH LANGUAGE			+ $140 =	$0.00
			TOTAL	$1,820.00

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■ The Director is hereby authorized to charge any additional fees which may be required for the papers being filed herewith and for which no payment is enclosed herewith, or credit any overpayment to Deposit Account No. **15-0030**, with the **EXCEPTION** of deficiencies in fees for multiple dependent claims in new applications.

Submitted by: /Sameer Gokhale/

Kurt M. Berger, Ph.D.
Registration No. 51,461

Customer Number
22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OMMN 02/12)

Sameer Gokhale
Registration No. 62,618

Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM
First Named Inventor/Applicant Name:	Kaoru MAEDA
Filer:	Philippe Jean-Claude Signore/LaKisha Durham
Attorney Docket Number:	533961US

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
UTILITY APPLICATION FILING	1011	1	320	320
UTILITY SEARCH FEE	1111	1	700	700
UTILITY EXAMINATION FEE	1311	1	800	800
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**1820**

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Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
17/104,322	11/25/2020	2676	1820	533961US	1	1

CONFIRMATION NO. 5254

22850
OBLON, MCCLELLAND, MAIER & NEUSTADT, L.L.P.
1940 DUKE STREET
ALEXANDRIA, VA 22314

FILING RECEIPT

OC000000122315209

Date Mailed: 12/31/2020

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Kaoru MAEDA, Kanagawa, JAPAN;
Takahiro Asai, Kanagawa, JAPAN;

Applicant(s)

Ricoh Company, Ltd., Tokyo, JAPAN;

Power of Attorney: The patent practitioners associated with Customer Number 22850

Domestic Priority data as claimed by applicant

This application is a CON of 16/291,842 03/04/2019
which is a CON of 15/290,917 10/11/2016 PAT 10270837
which is a CON of 14/417,868 01/28/2015 PAT 9661057
which is a 371 of PCT/JP13/70953 07/26/2013

Foreign Applications (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.)
JAPAN 2012-171192 08/01/2012 No Access Code Provided

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 12/29/2020

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 17/104,322**

Projected Publication Date: 04/08/2021

Non-Publication Request: No

Early Publication Request: No

Title

TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM

Preliminary Class

358

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

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Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

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Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 119 of 270

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 17/104,322

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	320
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	700
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	800
TOTAL CLAIMS (37 CFR 1.16(i))	1 minus 20 =	*			OR	x 100 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1 minus 3 =	*				x 480 =	0.00
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0.00
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	1820

APPLICATION AS AMENDED - PART II

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT A	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE($)	ADDITIONAL FEE($)	OR	RATE($)	ADDITIONAL FEE($)
AMENDMENT B	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/104,322	11/25/2020	Kaoru MAEDA	533961US

CONFIRMATION NO. 5254

22850
OBLON, MCCLELLAND, MAIER & NEUSTADT, L.L.P.
1940 DUKE STREET
ALEXANDRIA, VA 22314

PUBLICATION NOTICE

OC000000124732058

Title:TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM

Publication No.US-2021-0105315-A1
Publication Date:04/08/2021

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently http://www.uspto.gov/patft/.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Public Records Division. The Public Records Division can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Public Records Division, Alexandria, VA 22313-1450 or via the Internet.

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Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Managment, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 121 of 270

Electronic Acknowledgement Receipt

EFS ID:	42947688
Application Number:	17104322
International Application Number:	
Confirmation Number:	5254
Title of Invention:	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM
First Named Inventor/Applicant Name:	Kaoru MAEDA
Customer Number:	22850
Filer:	James J. Kulbaski/Xsensus Paralegal
Filer Authorized By:	James J. Kulbaski
Attorney Docket Number:	533961US
Receipt Date:	10-JUN-2021
Filing Date:	25-NOV-2020
Time Stamp:	03:40:07
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	16416US04CON.pdf	490895 bc21ff60a183a572650ca04c80377c3095db f50f	no	2
Warnings:					

Information:	
Total Files Size (in bytes):	490895

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New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82A (07-13)
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NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	17/104,322
Filing Date	11-25-2020
First Named Inventor	Kaoru MAEDA
Title	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM
Art Unit	2457
Examiner Name	TBD
Attorney Docket Number	16416US04CON

SIGNATURE of Applicant or Patent Practitioner

Signature	/James J Kulbaski/	Date (Optional)	
Name	James J. Kulbaski	Registration Number	34648
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)	Ricoh Company, Ltd.		

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

☑ *Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Doc Code: PA.
Document Description: Power of Attorney

PTO/AIA/82B (07-13)
Approved for use through 01/31/2018. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

☑ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 154930

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

☑ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

Ricoh Company, Ltd.

☐ Inventor or Joint Inventor (title not required below)

☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

☑ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)

☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature	/ [signature] /	Date (Optional)	May 18, 2021
Name	Shigeharu Uda		
Title	General Manager of Intellectual Property Development Dept. Intellectual Property Center, Professional Services Division		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

☐ Total of forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/104,322	11/25/2020	Kaoru MAEDA	533961US

CONFIRMATION NO. 5254

22850
OBLON, MCCLELLAND, MAIER & NEUSTADT, L.L.P.
1940 DUKE STREET
ALEXANDRIA, VA 22314

POWER OF ATTORNEY NOTICE

OC000000126254267

Date Mailed: 06/14/2021

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 06/10/2021.

- The Power of Attorney to you in this application has been revoked by the applicant. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/hsarwari/

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 126 of 270

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/104,322	11/25/2020	Kaoru MAEDA	16416US04CON

CONFIRMATION NO. 5254

154930
XSENSUS LLP
200 Daingerfield Road
Suite 201
Alexandria, VA 22314

POA ACCEPTANCE LETTER

OC000000126254324

Date Mailed: 06/14/2021

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 06/10/2021.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/hsarwari/

Notice of References Cited	Application/Control No. 17/104,322	Applicant(s)/Patent Under Reexamination MAEDA et al.	
	Examiner YVES DALENCOURT	Art Unit 2457	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-9661057-B2	05-2017	Maeda; Kaoru	H04L65/403	1/1
*	B	US-20070086065-A1	04-2007	Wada; Masahiro	H04N1/0022	358/402
	C					
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Form PTO 1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. 533961US	SERIAL NO 17/104,322 New Application
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT Kaoru MAEDA, et al.	2457
		FILING DATE 11/25/2020 Herewith	GROUP Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	8,782,229	07/2014	UMEHARA			
	AB	8,769,001	07/2014	OHWADA			
	AC	2013/0278712	10/2013	MAEDA et al.			
	AD	2012/0140022	06/2012	KATO et al.			
	AE	2013/0242038	09/2013	UMEHARA et al.			
	AF	2009/0177974	07/2009	COX et al.			
	AG	2007/0086065	04/2007	WADA			
	AH	2009/0094694	04/2009	KODAIRA			
	AI	2002/0138650	09/26/2002	Hiroyuki YAMAMOTO, et al.			
	AJ	9,661,057	05/2017	Maeda, Kaoru			
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	TRANSLATION NO
	AL	2011-164488	08/25/2011	Japan (w/English abstract)		X
	AM	2012-050063	03/08/2012	Japan (corresponding to U.S. Patent No. 8,782,229)		X
	AN	2011-205612	10/13/2011	Japan (corresponding to US Patent No. 8,769,001)		X
	AO	2012-147416	08/02/2012	Japan (corresponding to U.S. Publication No. 2013/0278712)		X
	AP	2012-195926	10/11/2012	Japan (w/English abstract)		X
	AQ	2007-122331	05/17/2007	Japan (w/English abstract)		X
	AR	08-195820	07/30/1996	Japan (w/English abstract)		X
	AS	2012-138893	07/19/2012	Japan (corresponding to U.S. Publication No. 2012/0140022)		X
	AT	10-276236	10/13/1998	Japan (w/English abstract)		X
	AU	2012-134944	07/12/2012	Japan (corresponding to U.S. Publication No. 2013/0242038)		X
	AV	WO 2012/086844 A1	06/28/2012	WIPO (corresponds to U.S. Publication No. 2013/0278712)		

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	International Search Report Issued August 27, 2013 in PCT/JP13/070953 filed July 26, 2013
	AX	Extended European Search Report issued July 9, 2015 in Patent Application No. 13826383.5
	AY	O. Novo, et al., "Conference Information Data Model for Centralized Conferencing (XCON)" Internet Engineering Task Force (IETF), XP015081466, 2012, Pages 1-94
	AZ	Office Action mailed November 17, 2016 in co-pending US Patent Application No. 14/417,868 (Attorney Docket No. 447974US28PCT Examiner: Dalencourt, Yves)

☒ Additional References sheet(s) attached

Examiner	Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /Y.D/

Form PTO 1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. 533961US	SERIAL NO. 17/104,322 New Application
LIST OF REFERENCES CITED BY APPLICANT		INVENTOR(S) Kaoru MAEDA, et al.	
		FILING DATE 11/25/2020 Herewith	GROUP 2457 Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						
	BK						
	BL						
	BM						
	BN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	TRANSLATION NO
	BO	3 014 809 A1	05/04/2016	Europe (published as WO 2014/208569 A1, corresponds US 2016/0127686 A1)		
	BP	2005-202891	07/28/2005	Japan (w/English abstract)		X
	BQ					
	BR					
	BS					
	BT					
	BU					
	BV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	BW	Extended European Search Report issued August 9, 2018 in Patent Application No.18172517.7 citing document BO therein, 14 pages
	BX	Office Action mailed November 13, 2018 in Japanese Application No. 2018-002312
	BY	
	BZ	☐ Additional References sheet(s) attached

Examiner	/YVES DALENCOURT/	Date considered	09/08/2021

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /Y.D/

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/104,322	11/25/2020	Kaoru MAEDA	16416US04CON	5254

154930 7590 09/10/2021

XSENSUS LLP
100 Daingerfield Road
Suite 402
Alexandria, VA 22314

EXAMINER	
DALENCOURT, YVES	

ART UNIT	PAPER NUMBER
2457	

NOTIFICATION DATE	DELIVERY MODE
09/10/2021	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

Faith.Baggett@xsensus.com
Sandy.Miles@Xsensus.com
anaquadocketing@Xsensus.com

Office Action Summary	**Application No.** 17/104,322	**Applicant(s)** MAEDA et al.	
	Examiner YVES DALENCOURT	**Art Unit** 2457	**AIA (FITF) Status** No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☑ Responsive to communication(s) filed on 11/25/2020.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☐ This action is **FINAL.** 2b) ☑ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) ☑ Claim(s) 1 is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1 is/are rejected.

8) ☐ Claim(s) _____ is/are objected to.

9) ☐ Claim(s) _____ are subject to restriction and/or election requirement

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to **PPHfeedback@uspto.gov.**

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☑ Notice of References Cited (PTO-892)

2) ☑ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date 11/25/2020.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____.

4) ☐ Other: _____.

DETAILED ACTION

Notice of Pre-AIA or AIA Status

The present application is being examined under the pre-AIA first to invent provisions.

This office action is responsive to communication filed on 11/25/2020.

Claim Objections

Claim 1 is objected to because of the following informalities: It is noted that the term "capable of" has been used in the claim. It has been held that the recitation that an element is "capable of" performing a function is not a positive limitation but only requires the ability to so perform. It does not constitute a limitation in any7 patentable sense. Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of 35 U.S.C. 112(b):
(b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:
The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 1 is rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor (or for applications subject to pre-AIA 35 U.S.C. 112, the applicant), regards as the invention.

Regarding claim 1, the limitation of "a destination name data transmitting unit configure to transmit the at least one destination name data item read by the destination name reading unit, to a transmission terminal which is capable of communicating with the destination" is confusing. It is not

clear how **the destination name data transmitting unit** configured to transmit the at least one destination name to a **transmission terminal**.

Claim Interpretation

The following is a quotation of 35 U.S.C. 112(f):

> (f) Element in Claim for a Combination. – An element in a claim for a combination may be expressed as a means or step for performing a specified function without the recital of structure, material, or acts in support thereof, and such claim shall be construed to cover the corresponding structure, material, or acts described in the specification and equivalents thereof.

The following is a quotation of pre-AIA 35 U.S.C. 112, sixth paragraph:

> An element in a claim for a combination may be expressed as a means or step for performing a specified function without the recital of structure, material, or acts in support thereof, and such claim shall be construed to cover the corresponding structure, material, or acts described in the specification and equivalents thereof.

The claims in this application are given their broadest reasonable interpretation using the plain meaning of the claim language in light of the specification as it would be understood by one of ordinary skill in the art. The broadest reasonable interpretation of a claim element (also commonly referred to as a claim limitation) is limited by the description in the specification when 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, is invoked.

As explained in MPEP § 2181, subsection I, claim limitations that meet the following three-prong test will be interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph:

(A) the claim limitation uses the term “means” or “step” or a term used as a substitute for “means” that is a generic placeholder (also called a nonce term or a non-structural term having no specific structural meaning) for performing the claimed function;

(B) the term "means" or "step" or the generic placeholder is modified by functional language, typically, but not always linked by the transition word "for" (e.g., "means for") or another linking word or phrase, such as "configured to" or "so that"; and

(C) the term "means" or "step" or the generic placeholder is not modified by sufficient structure, material, or acts for performing the claimed function.

Use of the word "means" (or "step") in a claim with functional language creates a rebuttable presumption that the claim limitation is to be treated in accordance with 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph. The presumption that the claim limitation is interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, is rebutted when the claim limitation recites sufficient structure, material, or acts to entirely perform the recited function.

Absence of the word "means" (or "step") in a claim creates a rebuttable presumption that the claim limitation is not to be treated in accordance with 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph. The presumption that the claim limitation is not interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, is rebutted when the claim limitation recites function without reciting sufficient structure, material or acts to entirely perform the recited function.

Claim limitations in this application that use the word "means" (or "step") are being interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, except as otherwise indicated in an Office action. Conversely, claim limitations in this application that do not use the word "means" (or "step") are not being interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, except as otherwise indicated in an Office action.

The limitations of claim 1:

"destination name data managing unit configure to manage"

"destination name data reading unit configure to read"

"destination name data transmitting unit configure to transmit"

has/have been interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, because it uses/they use a generic placeholder “unit” coupled with functional language “configure to” without reciting sufficient structure to achieve the function. Furthermore, the generic placeholder is not preceded by a structural modifier.

Since the claim limitation(s) invokes 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, claim(s) 1 has been interpreted to cover the corresponding structure described in the specification that achieves the claimed function, and equivalents thereof.

A review of the specification shows that the following appears to be the corresponding structure described in the specification for the 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph limitation: A review of the specification shows insufficient structures for the terms recited above.

If applicant wishes to provide further explanation or dispute the examiner’s interpretation of the corresponding structure, applicant must identify the corresponding structure with reference to the specification by page and line number, and to the drawing, if any, by reference characters in response to this Office action.

If applicant does not intend to have the claim limitation(s) treated under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, applicant may amend the claim(s) so that it/they will clearly not invoke 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, or present a sufficient showing that the claim recites/recite sufficient structure, material, or acts for performing the claimed function to preclude application of 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph.

For more information, see MPEP § 2173 etseq. and Supplementary Examination Guidelines for Determining Compliance With 35 U.S.C. 112 and for Treatment of Related Issues in Patent Applications, 76 FR 7162, 7167 (Feb. 9, 2011).

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claim 1 of US Application No. 17/104,322 is rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 1 of U.S. Patent No. 9,661,057. Although the conflicting claims are not identical, they are not patentably distinct from each other because the combination of claim 1 of the U.S. Patent mentioned above, contain every element of claim 1 of the instant

application and thus anticipate the claim of the instant application. Claim 1 of the instant application is therefore not patently distinct from claim 1 of the U.S. Patent No. 9,661,057 and as such are unpatentable over obvious-type double patenting.

"A later patent claim is not patentably distinct from an earlier patent claim if the later claim is obvious over, or anticipated by, the earlier claim. In re Longi, 759 F.2d at 896, 225 USPQ at 651 (affirming a holding of obviousness-type double patenting because the claims at issue were obvious over claims in four prior art patents); In re Berg, 140 F.3d at 1437, 46 USPQ2d at 1233 (Fed. Cir. 1998) (affirming a holding of obviousness-type double patenting where a patent application claim to a genus is anticipated by a patent claim to a species within that genus). " ELI LILLY AND COMPANY v BARR LABORATORIES, INC., United States Court of Appeals for the Federal Circuit, ON PETITION FOR REHEARING EN BANC (DECIDED: May 30, 2001).

Claim Rejections - 35 USC § 102

In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

The following is a quotation of the appropriate paragraphs of pre-AIA 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under pre-AIA 35 U.S.C. 102(b) as being anticipated by Masahiro Wada (US 2007/0086065; hereinafter Masahiro).

Regarding claim 1, Wada discloses a transmission management system comprising:

a destination name data managing unit configured to manage a plurality of destination name data items which indicate a plurality of names of a destination in communications between transmission terminals (fig. 3; paragraphs [0019 - 0020]; Wada discloses that a plurality of names of destinations and means for accepting selection of a name or names of one or a plurality of destinations from displayed names of destinations);

a destination name data reading unit configured to read at least one destination name data item from among the plurality of destination name data items managed by the destination name data managing unit (paragraphs [0020], [0032]; Wada discloses that selection of a name or names of one or a plurality of destinations from displayed names of destinations is accepted and a communication address allocated to a name of a selected destination is set as a destination); and

a destination name data transmitting unit configured to transmit the at least one destination name data item read by the destination name data reading unit, to a transmission terminal which is capable of communicating with the destination (paragraphs [0032] and [0068]).

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YVES DALENCOURT whose telephone number is (571)272-3998. The examiner can normally be reached on M-F 8AM-5:30PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see https://ppair-my.uspto.gov/pair/PrivatePair. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/YVES DALENCOURT/
Primary Examiner, Art Unit 2457

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/104,322	MAEDA et al.
	Examiner	**Art Unit**
	YVES DALENCOURT	2457

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS										
☐ Claims renumbered in the same order as presented by applicant			☐ CPA		☐ T.D.		☐ R.1.47			
CLAIM		**DATE**								
Final	Original	09/08/2021								
	1	✓								

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 141 of 270

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/104,322	MAEDA et al.
	Examiner	Art Unit
	YVES DALENCOURT	2457

CPC - Searched*		
Symbol	Date	Examiner
H04L67/04, 18; H04L61/30; H04W4/02	09/08/2021	YD

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

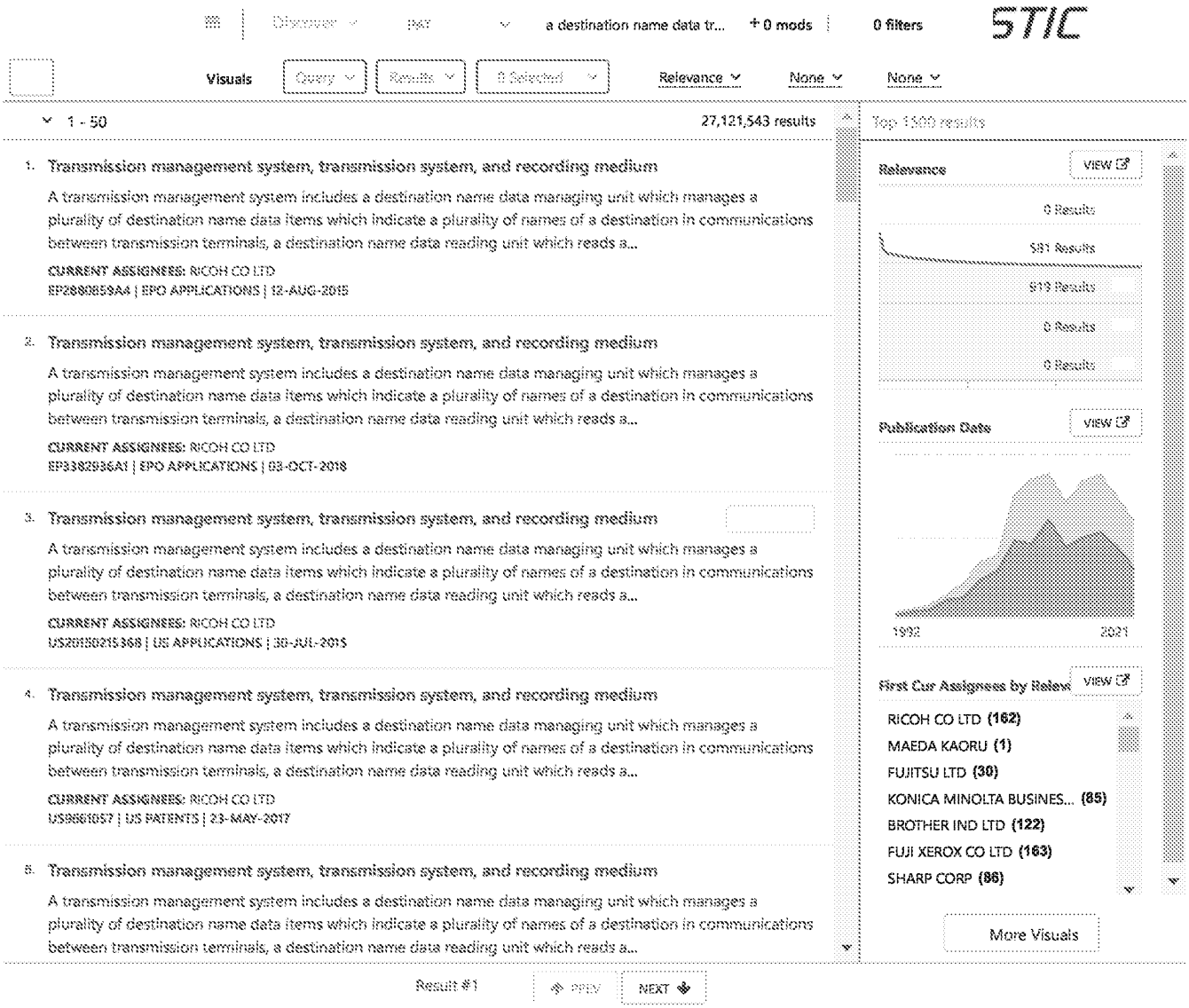
US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
WEST/CPC (text searched)	09/08/2021	YD
InnovationQ Plus-IP.com	09/08/2021	YD

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 142 of 270



IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 143 of 270

WEST Search History for Application 17104322

Creation Date: 2021090811:33

Prior Art Searches

Query	DB	Hits	Op.	Plur.	Thes.	Date
chang$3 adj7 correspond$3 adj7 destination adj7 name$1 and correspond$3 adj7 single adj7 name$1	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	0	OR	YES		09-08-2021
destination near name$1 and (correspond$3 or match$3) single adj7 name$1	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	40772	OR	YES		09-08-2021
destination near name$1 and (correspond$3 or match$3) adj7 single adj7 name$1	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	4	OR	YES		09-08-2021
wada.in.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	117873	OR	YES		09-08-2021
(wada.in.) and name near destination	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	31	OR	YES		09-08-2021
(wada.in. and name near destination) and single	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	5	OR	YES		09-08-2021
(wada.in.) and masahiro		2299	OR	YES		09-08-2021

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 144 of 270

	PGPB, USPT, EPAB, JPAB, DWPI, TDBD					
(wada.in. and masahiro) and destinations	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	29	OR	YES		09-08-2021
(wada.in. and masahiro and destinations) and name$1	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	7	OR	YES		09-08-2021
destination adj7 name$1 and single adj7 (terminal adj7 identification or (ID))	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	320	OR	YES		09-08-2021
(destination adj7 name$1 and single adj7 (terminal adj7 identification or (ID))) and destination near name near table$1	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	1	OR	YES		09-08-2021
(destination adj7 name$1 and single adj7 (terminal adj7 identification or (ID))) and transmission near terminal$1	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	23	OR	YES		09-08-2021
(destination adj7 name$1 and single adj7 (terminal adj7 identification or (ID))) and (wada.in.)	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	0	OR	YES		09-08-2021
(destination adj7 name$1 and single adj7 (terminal adj7 identification or (ID))) and (table or map$1)	PGPB, USPT, EPAB, JPAB,	284	OR	YES		09-08-2021

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 145 of 270

	DWPI, TDBD					
(destination adj7 name$1 and single adj7 (terminal adj7 identification or (ID)) and (table or map$1)) and single near destination	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	22	OR	YES		09-08-2021
9223577.pn.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	3	OR	YES		09-08-2021
6122725.pn.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	3	OR	YES		09-08-2021
(6122725.pn.) and single	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	1	OR	YES		09-08-2021
7051190.pn.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	2	OR	YES		09-08-2021
maeda.in.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	166525	OR	YES		09-08-2021
(maeda.in.) and single near destination	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	15	OR	YES		09-08-2021
20070086065		2	OR	YES		09-08-2021

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 146 of 270

	PGPB, USPT, EPAB, JPAB, DWPI, TDBD					
20020138650	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	3	OR	YES		09-08-2021
(H04W4/02).CPC.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	48913	OR	YES		09-08-2021
(H04L61/30).CPC.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	1738	OR	YES		09-08-2021
(H04L67/04).CPC.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	17338	OR	YES		09-08-2021
(H04L67/18).CPC.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	30667	OR	YES		09-08-2021
9661057.pn.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	3	OR	YES		09-08-2021
10270837.pn.	PGPB, USPT, EPAB, JPAB,	4	OR	YES		09-08-2021

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 147 of 270

	DWPI, TDBD					
10904315.pn.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	2	OR	YES		09-08-2021
("20020138650" | "20070086065" | "20090094694" | "20090177974" | "20120140022" | "20130242038" | "20130278712" | "8769001" | "8782229" | "9661057").PN.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	23	OR	YES		09-08-2021
(("20020138650" | "20070086065" | "20090094694" | "20090177974" | "20120140022" | "20130242038" | "20130278712" | "8769001" | "8782229" | "9661057").PN.) and (destination adj7 name$1 and single adj7 (terminal adj7 identification or (ID)))	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	1	OR	YES		09-08-2021

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 148 of 270

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XSENSUS LLP
100 Daingerfield Road
Suite 402
Alexandria, VA 22314

Courtesy Reminder for
Application Serial No: 17/104,322

Attorney Docket No: 16416US04CON
Customer Number: 154930
Date of Electronic Notification: 09/10/2021

This is a courtesy reminder that new correspondence is available for this application. If you have not done so already, please review the correspondence. The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

An email notification regarding the correspondence was sent to the following email address(es) associated with your customer number:

anaquadocketing@Xsensus.com
Sandy.Miles@Xsensus.com
Faith.Baggett@xsensus.com

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DOCKET NO: 16416US04CON

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF	:	
KAORU MAEDA	:	EXAMINER: DALENCOURT, YVES
SERIAL NO: 17/104,322	:	
FILED: NOVEMBER 25, 2020	:	GROUP ART UNIT: 2457
FOR: TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM	:	

AMENDMENT UNDER 37 C.F.R. § 1.111

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

Commissioner:

In response to the Office Action dated September 10, 2021, the following is submitted in connection with the above-identified application.

IN THE CLAIMS

Please amend the claims as follows:

1. (Canceled).

2. (New) A management system, comprising:

one or more memories; and

processing circuitry configured to:

store, in the one or more memories, identification information to be used upon logging in to the management system, and first name information which indicates a name of a destination associated with the identification information;

store, in the one or more memories, meeting information reserved upon logging in to the management system;

read, from the one or more memories, the stored first name information of the destination

transmit the read first name information of the destination to a transmission terminal that has logged in to the management system based on the identification information;

update the first name information set in association with the reserved meeting information, to second name information being different from the first name information; and

store, in the one or more memories, the updated second name information in association with the reserved meeting information.

3. (New) The management system as claimed in claim 2, wherein the first name information or the second name information of the destination is information based on the transmission terminal or information based on a user of the transmission terminal.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 151 of 270

4. (New) The management system as claimed in claim 2, wherein the first name information of the destination stored in the one or more memories is information based on a request for registering name information of the destination from the transmission terminal.

5. (New) The management system as claimed in claim 2, wherein the processing circuitry is further configured to:

transmit the information of the destination to the transmission terminal, in order to display a destination list including the destination on the transmission terminal that has logged in to the management system.

6. (New) The management system as claimed in claim 2, wherein the processing circuitry is further configured to:

transmit the second name information associated with the reserved meeting information to the transmission terminal, in order to display information on participants of a meeting corresponding to the meeting information on the transmission terminal that has logged in to the management system.

7. (New) The management system as claimed in claim 6, wherein the second name information transmitted to the transmission terminal is name information associated with another transmission terminal in a state of participating in the meeting corresponding to the meeting information.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 152 of 270

8. (New) The management system as claimed in claim 2, wherein the processing circuitry is further configured to:

receive reservation request information indicating a request for reserving a meeting from the transmission terminal that has logged in to the management system, and

store, in the one or more memories, meeting information included in the reservation request information.

9. (New) The management system as claimed in claim 2, wherein the processing circuitry is further configured to:

transmit the second name information associated with a meeting corresponding to meeting information selected on the transmission terminal.

10. (New) The management system as claimed in claim 9, wherein the processing circuitry is further configured to:

transmit, in a case where the second name information associated with the meeting corresponding to the selected meeting information is not stored, the first name information associated with the identification information, to the transmission terminal on which the meeting information was selected.

11. (New) The management system as claimed in claim 2, wherein the meeting information includes at least a meeting name, start date/time, and end date/time.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 153 of 270

12. (New) The management system as claimed in claim 2, wherein the management system includes one or more computer.

13. (New) A method, comprising:

storing, in one or more memories, identification information to be used upon logging in to a management system, and first name information which indicates a name of a destination associated with the identification information;

storing, in the one or more memories, meeting information reserved upon logging in to the management system;

reading, from the one or more memories, the stored first name information of the destination

transmitting the read first name information of the destination to a transmission terminal that has logged in to the management system based on the identification information;

updating the first name information set in association with the reserved meeting information, to second name information being different from the first name information; and

storing, in the one or more memories, the updated second name information in association with the reserved meeting information.

14. (New) The method as claimed in claim 13, wherein the first name information or the second name information of the destination is information based on the transmission terminal or information based on a user of the transmission terminal.

15. (New) The method as claimed in claim 13, wherein the first name information of the destination stored in the one or more memories is information based on a request for registering name information of the destination from the transmission terminal.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 154 of 270

16. (New) The method as claimed in claim 13, further comprising:

transmitting the information of the destination to the transmission terminal, in order to display a destination list including the destination on the transmission terminal that has logged in to the management system.

17. (New) The method as claimed in claim 13, further comprising:

transmitting the second name information associated with the meeting information to the transmission terminal, in order to display information on participants of a meeting corresponding to the meeting information on the transmission terminal that has logged in to the management system.

18. (New) The method as claimed in claim 17, wherein the second name information transmitted to the transmission terminal is name information associated with another transmission terminal in a state of participating in the meeting corresponding to the meeting information.

19. (New) The method as claimed in claim 13, further comprising:

receiving reservation request information indicating a request for reserving a meeting from the transmission terminal that has logged in to the management system, and

storing, in the one or more memories, meeting information included in the reservation request information.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 155 of 270

20. (New) The method as claimed in claim 13, further comprising:

transmitting the second name information associated with a meeting corresponding to meeting information selected on the transmission terminal.

21. (New) The method as claimed in claim 20, further comprising:

transmitting, in a case where the second name information associated with the meeting corresponding to the selected meeting information is not stored, the first name information associated with the identification information, to the transmission terminal on which the meeting information was selected.

22. (New) The method as claimed in claim 13, wherein the meeting information includes at least a meeting name, start date/time, and end date/time.

23. (New) The method as claimed in claim 13, wherein the management system includes one or more computer.

24. (New) A system, comprising:

a transmission terminal; and

a management system, including

one or more memories; and

processing circuitry configured to:

store, in the one or more memories, identification information to be used upon logging in to the management system, and first name information which indicates a name of a destination associated with the identification information;

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 156 of 270

store, in the one or more memories, meeting information reserved upon logging in to the management system;

read, from the one or more memories, the stored first name information of the destination

transmit the read first name information of the destination, to the transmission terminal that has logged in to the management system based on the identification information;

update the first name information set in association with the reserved meeting information, to second name information being different from the first name information; and

store, in the one or more memories, the updated second name information in association with the reserved meeting information.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 157 of 270

Electronic Acknowledgement Receipt	
EFS ID:	44464129
Application Number:	17104322
International Application Number:	
Confirmation Number:	5254
Title of Invention:	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM
First Named Inventor/Applicant Name:	Kaoru MAEDA
Customer Number:	154930
Filer:	James J. Kulbaski/Christine Grimes
Filer Authorized By:	James J. Kulbaski
Attorney Docket Number:	16416US04CON
Receipt Date:	08-DEC-2021
Filing Date:	25-NOV-2020
Time Stamp:	13:21:16
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$300
RAM confirmation Number	E2021B8D21334952
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		16416US04CON_Response.pdf	247457 f678ef09759bbe5a5ae29aff97b8b6faf81c49d6	yes	13

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Transmittal Letter	1	1
Fee Worksheet (SB06)	2	2
Amendment/Req. Reconsideration-After Non-Final Reject	3	3
Claims	4	10
Applicant Arguments/Remarks Made in an Amendment	11	13

Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	37833 13650f04ef24852172beb6e205be3360ac4643b9	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	285290		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

REMARKS/ARGUMENTS

Favorable reconsideration of this application is respectfully requested.

Claims 2-24 are pending in the present application; Claim 1 having been canceled, and Claims 2-24 having been added by the present amendment. No new matter is presented.

In the Office Action, Claim 1 is objected to, Claim 1 is rejected under 35 U.S.C. 112(b) as being indefinite, certain claim terms are indicated as being interpreted under 35 U.S.C. 112(f), Claim 1 is rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 1 of U.S. Patent No. 9,661,057, and Claim 1 is rejected under pre-AIA 35 U.S.C. 102(b) as being anticipated by Wada (US 2007/0086065).

Claim 1 is objected to. Claim 1 has been canceled and the new claims do not use the term "capable of."

Accordingly, the objection to the claims is respectfully requested to be withdrawn.

Claim 1 is rejected under 35 USC 112(b) as being indefinite.

Claim 1 has been canceled, and the new added claims do not have an issue as to how the destination name data transmitting unit is configured to transmit the at least one destination name to a transmission terminal.

Accordingly, the rejection under 35 USC 112(b) is respectfully requested to be withdrawn.

Certain claim terms were indicated as being interpreted under 35 U.S.C. 112(f). Claim 1 has been canceled and the newly added claims do not recite any terms which are to be interpreted under 35 USC § 112(f).

Claim 1 is rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 1 of U.S. Patent No. 9,661,057. Claim 1 has been canceled and

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 161 of 270

new Claim 2 recites first name information and second name information. Such elements do not appear in the claims of U.S.P. 9,661,057.

Accordingly, the double patenting rejection is respectfully requested to be withdrawn.

Claim 1 is rejected under pre-AIA 35 U.S.C. 102(b) as being anticipated by Wada. This rejection is respectfully traversed with respect to the new claims.

New Claim 2 recites a combination including processing circuitry configured to:

> update the first name information set in association with the reserved meeting information, to second name information being different from the first name information.

Wada only discloses management of destinations including the names of the destinations as illustrated in FIG. 3. There is no disclosure of a configuration that updates the name information of a destination set in association with meeting information, to different name information.

For at least this reason, Claim 2 is patentable over the prior art.

Independent Claims 13 and 24 are also patentable.

The dependent claims are patentable for at least the reasons the claims from which they depend are patentable.

Consequently, in light of the above discussion, this application is believed to be in condition for allowance, and an early and favorable action to that effect is respectfully requested.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 162 of 270

Should the Examiner deem that any further action is necessary to place this application in form for allowance, the Examiner is encouraged to contact the undersigned representative at the below listed telephone number.

Respectfully Submitted,

XSENSUS, L.L.P.

/James J Kulbaski/

James J. Kulbaski
Attorney of Record
Registration No. 34,648
Phone No. (571) 376-6313

Customer No. 154930
Xsensus LLP
100 Daingerfield Rd, Suite 402
Alexandria, VA 22314

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 163 of 270

Doc Code: TRAN.LET

Document Description: Transmittal Letter

PTO/SB/21 (07-09)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission: 13

Application Number	17/104,322
Filing Date	25 Nov 2020
First Named Inventor	KAORU MAEDA
Art Unit	2457 **Confirmation No.** 5254
Examiner Name	DALENCOURT, YVES
Attorney Docket Number	16416US04CON

ENCLOSURES *(Check all that apply)*

- ☑ Fee Transmittal Form
  - ☑ Fee Attached
- ☑ Amendment/Reply
  - ☐ After Final
  - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Reply to Missing Parts/ Incomplete Application
  - ☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) _____
  - ☐ Landscape Table on CD
- ☐ After Allowance Communication to TC
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to TC **(Appeal Notice, Brief, Reply Brief)**
- ☐ Proprietary Information
- ☐ Status Letter
- ☐ Other Enclosure(s) (please Identify below):

Remarks

The Commissioner is hereby authorized to charge any additional fees that may be required for papers being filed herewith and for which no payment is enclosed herewith, or credit any overpayment to Deposit Account 602325.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	**XSENSUS**, LLP **Customer Number** 154930		
Signature	/James J Kulbaski/		
Printed name	James J. Kulbaski		
Date	2021-12-8	Reg. No.	34648

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

FEE TRANSMITTAL

Application Number	17/104,322
Filing Date	25 Nov 2020
First Named Inventor	KAORU MAEDA
Art Unit	2457
Examiner Name	DALENCOURT, YVES
Attorney Docket Number	16416US04CON

☐ No additional fee is required ☐ Small entity status is claimed

	Claims Remaining After Amendment		Highest Number of Claims Previously Paid For	Current Extra Claims	Rate	Additional Fee
Total Claims	23	-	20	= 3	x $ 100.00 =	$ 300.00
Independent Claims	3	-	3	= 0	x $ 480.00 =	$
APPLICATION SIZE FEE (37 CFR 1.16(s))					$	**$**
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					N/A	**$**
					TOTAL	$ 300.00

EXTENSION OF TIME	$
REQUEST FOR RECONSIDERATION (RCE)	$
NOTICE OF APPEAL	$
TERMINAL DISCLAIMER	$
	$
	$
TOTAL	$ 300.00

The Commissioner is hereby authorized to charge any additional fees that may be required for papers being filed herewith and for which no payment is enclosed herewith, or credit any overpayment to Deposit Account **602325**

XSENSUS, LLP
Customer Number:

154930

Electronic Patent Application Fee Transmittal

Application Number:	17104322
Filing Date:	25-Nov-2020
Title of Invention:	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM
First Named Inventor/Applicant Name:	Kaoru MAEDA
Filer:	James J. Kulbaski/Christine Grimes
Attorney Docket Number:	16416US04CON

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
CLAIMS IN EXCESS OF 20	1202	3	100	300
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**300**

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/104,322	11/25/2020	Kaoru MAEDA	16416US04CON	5254

154930 7590 03/09/2022

XSENSUS LLP
100 Daingerfield Road
Suite 402
Alexandria, VA 22314

EXAMINER	
DALENCOURT, YVES	

ART UNIT	PAPER NUMBER
2457	

NOTIFICATION DATE	DELIVERY MODE
03/09/2022	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

Faith.Baggett@xsensus.com
Sandy.Miles@Xsensus.com
anaquadocketing@Xsensus.com

Office Action Summary	**Application No.** 17/104,322	**Applicant(s)** MAEDA et al.	
	Examiner YVES DALENCOURT	**Art Unit** 2457	**AIA (FITF) Status** No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☑ Responsive to communication(s) filed on 12/08/2021.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☑ This action is **FINAL.** 2b) ☐ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) ☑ Claim(s) 1-24 is/are pending in the application.

5a) Of the above claim(s) 2-24 is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1 is/are rejected.

8) ☐ Claim(s) _____ is/are objected to.

9) ☐ Claim(s) _____ are subject to restriction and/or election requirement

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to **PPHfeedback@uspto.gov.**

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____.

4) ☐ Other: _____.

DETAILED ACTION

Notice of Pre-AIA or AIA Status

The present application is being examined under the pre-AIA first to invent provisions.

This office action is responsive to amendment filed on 12/08/2021.

Response to Amendment

The Examiner has acknowledged the cancellation of claim 1 and the submission of new claims 2 – 24.

Response to Arguments

Applicant's arguments filed on 10/08/2019 have been fully considered but they are not persuasive. The newly submitted claims 2 – 24 are directed to a distinct invention different from the original claim 1. Therefore, claims 2 – 24 are being restricted and the rejection of claim 1 is repeated.

Election/Restrictions

Newly submitted claims 2 – 24 are directed to an invention that is independent or distinct from the invention originally claimed for the following reasons: the subject matter of the newly submitted claims 2 – 24 are different from the subject matter of the original claim 1 which is now cancelled. Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claims 2 – 24 are withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

Claim Objections

Claim 1 is objected to because of the following informalities: It is noted that the term "capable of" has been used in the claim. It has been held that the recitation that an element is" capable of" performing a function is not a positive limitation but only requires the ability to so perform. It does not constitute a limitation in any patentable sense.

Therefore, the rejection of claim as mentioned in the Non-Final Office action is repeated:

Claim Interpretation

The following is a quotation of 35 U.S.C. 112(f):

> (f) Element in Claim for a Combination. – An element in a claim for a combination may be expressed as a means or step for performing a specified function without the recital of structure, material, or acts in support thereof, and such claim shall be construed to cover the corresponding structure, material, or acts described in the specification and equivalents thereof.

The following is a quotation of pre-AIA 35 U.S.C. 112, sixth paragraph:

> An element in a claim for a combination may be expressed as a means or step for performing a specified function without the recital of structure, material, or acts in support thereof, and such claim shall be construed to cover the corresponding structure, material, or acts described in the specification and equivalents thereof.

This application includes one or more claim limitations that do not use the word “means,” but are nonetheless being interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, because the claim limitation(s) uses a generic placeholder that is coupled with functional language without reciting sufficient structure to perform the recited function and the generic placeholder is not preceded by a structural modifier. Such claim limitation(s) is/are:

“destination name data managing unit configure to manage”

“destination name data reading unit configure to read”

“destination name data transmitting unit configure to transmit”

Because this/these claim limitation(s) is/are being interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, it/they is/are being interpreted to cover the corresponding structure described in the specification as performing the claimed function, and equivalents thereof.

If applicant does not intend to have this/these limitation(s) interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, applicant may: (1) amend the claim limitation(s) to avoid it/them being interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph (e.g., by reciting sufficient structure to perform the claimed function); or (2) present a sufficient showing that the claim limitation(s) recite(s) sufficient structure to perform the claimed function so as to avoid it/them being interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided

the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claim 1 of US Application No. 16/291,842 is rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 1 of U.S. Patent No. 9,661,057. Although the conflicting claims are not identical, they are not patentably distinct from each other because claim 1 of the U.S. Patent mentioned above, contain every element of claim 1 of the instant application and thus anticipate the claims of the instant application. Claim 1 of the instant application is therefore not patently distinct from claims 1 of the U.S. Patent No. 9,661,057 and as such is unpatentable over obvious-type double patenting.

"A later patent claim is not patentably distinct from an earlier patent claim if the later claim is obvious over, or anticipated by, the earlier claim. In re Longi, 759 F.2d at 896, 225 USPQ at 651 (affirming a holding of obviousness-type double patenting because the claims at issue were obvious over claims in four prior art patents); In re Berg, 140 F.3d at 1437, 46 USPQ2d at 1233 (Fed. Cir. 1998) (affirming a holding of obviousness-type double patenting where a patent application claim to a genus is anticipated by a patent claim to a species within that genus). " ELI LILLY AND COMPANY v BARR LABORATORIES, INC., United States Court of Appeals for the Federal Circuit, ON PETITION FOR REHEARING EN BANC (DECIDED: May 30, 2001).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of pre-AIA 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under pre-AIA 35 U.S.C. 102(b) as being anticipated by Masahiro Wada (US 2007/0086065; hereinafter Wada).

Regarding claim 1, Wada discloses a transmission management system comprising:

a destination name data managing unit configured to manage a plurality of destination name data items which indicate a plurality of names of a destination in communications between transmission terminals (fig. 3; paragraphs [0019 - 0020]; *Wada discloses that a plurality of names of destinations and means for accepting selection of a name or names of one or a plurality of destinations from displayed names of destinations*);

a destination name data reading unit configured to read at least one destination name data item from among the plurality of destination name data items managed by the destination name data managing unit (paragraphs [0020], [0032]; *Wada discloses that selection of a name or names of one or a plurality of destinations from displayed names of destinations is accepted and a communication address allocated to a name of a selected destination is set as a destination*); and

a destination name data transmitting unit configured to transmit the at least one destination name data item read by the destination name data reading unit, to a transmission terminal which is capable of communicating with the destination (paragraphs [0032] and [0068]).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YVES DALENCOURT whose telephone number is (571)272-3998. The examiner can normally be reached on M-F 8AM-5:30PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/YVES DALENCOURT/
Primary Examiner, Art Unit 2457

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/104,322	MAEDA et al.
	Examiner	Art Unit
	YVES DALENCOURT	2457

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS										
☐ Claims renumbered in the same order as presented by applicant				☐ CPA		☐ T.D.		☐ R.1.47		
CLAIM		DATE								
Final	Original	09/08/2021	03/04/2022							
	1	✓	✓							
	2		N							
	3		N							
	4		N							
	5		N							
	6		N							
	7		N							
	8		N							
	9		N							
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	15		N							
	16		N							
	17		N							
	18		N							
	19		N							
	20		N							
	21		N							
	22		N							
	23		N							
	24		N							

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 177 of 270

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/104,322	MAEDA et al.
	Examiner	Art Unit
	YVES DALENCOURT	2457

CPC - Searched*		
Symbol	Date	Examiner
H04L67/04, 18; H04L61/30; H04W4/02	09/08/2021	YD

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
WEST/CPC (text searched)	09/08/2021	YD
InnovationQ Plus-IP.com	09/08/2021	YD
WEST/CPC (updated text search)	03/04/2022	YD

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 178 of 270

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	0	chang$3 adj7 correspond$3 adj7 destination adj7 name$1 and correspond$3 adj7 single adj7 name$1	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L2	0	destination near name$1 and (correspond$3 or match$3) single adj7 name$1	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L3	0	destination near name$1 and (correspond$3 or match$3) adj7 single adj7 name$1	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L4	0	wada.in.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L5	0	L4 and name near destination	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L6	0	L5 and single	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L7	0	L4 and masahiro	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L8	0	L7 and destinations	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L9	0	L8 and name$1	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L10	0	destination adj7 name$1 and single adj7 (terminal adj7 identification or (ID))	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L11	0	L10 and destination near name near table$1	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L12	0	L10 and transmission near terminal$1	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L13	0	L10 and L4	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L14	0	L10 and (table or	(US-PGPUB; USPAT;	OR	ON	ON	2020/09/17

		map$1)	EPO; JPO; DERWENT; IBM_TDB)				12:07 PM
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L16	0	9223577.pn.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L17	0	6122725.pn.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L18	0	L17 and single	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L19	0	7051190.pn.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L20	0	maeda.in.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L21	0	L20 and single near destination	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L22	0	20070086065	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L23	0	20020138650	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L24	0	(((((H04W4/02))))).CPC.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L25	0	(((((H04L61/30))))).CPC.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L26	0	(((((H04L67/04))))).CPC.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L27	0	(((((H04L67/18))))).CPC.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L28	0	20090177974	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L29	0	L28 and transmit$3	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L30	0	10270837.pn.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L31	0	9661057.pn.	(US-PGPUB; USPAT;	OR	ON	ON	2020/09/17

			EPO; JPO; DERWENT; IBM_TDB)				12:07 PM
L32	0	L31 and meeting	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L33	0	L32 and login	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L34	0	L33 and reservation	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L35	0	stor$3 adj7 destination adj7 name$1	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L36	0	L35 and (identif$3 or detect$3) adj7 reservation	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L37	0	reservation adj7 identification and L35	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L38	0	(transmit$3 or send$3) adj7 meeting adj7 (data or information)	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L39	0	L38 and L35	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L40	0	L38 and L10	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2020/09/17 12:07 PM
L41	8	"10904315"	(US-PGPUB; USPAT)	OR	ON	ON	2022/03/04 10:15 AM
L42	1	("10270837").pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/03/04 10:26 AM
L43	0	("961057").pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/03/04 10:31 AM
L44	1	("9661057").pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/03/04 10:32 AM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/104,322	11/25/2020	Kaoru MAEDA	16416US04CON	5254

154930 7590 05/27/2022

XSENSUS LLP
100 Daingerfield Road
Suite 402
Alexandria, VA 22314

EXAMINER	
DALENCOURT, YVES	

ART UNIT	PAPER NUMBER
2457	

NOTIFICATION DATE	DELIVERY MODE
05/27/2022	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

Faith.Baggett@xsensus.com
Sandy.Miles@Xsensus.com
anaquadocketing@Xsensus.com

Applicant-Initiated Interview Summary	**Application No.** 17/104,322	**Applicant(s)** MAEDA et al.		
	Examiner YVES DALENCOURT	**Art Unit** 2457	**AIA (First Inventor to File) Status** No	**Page** 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	**Title**	**Type**
YVES DALENCOURT	Primary Examiner	Telephonic
James J. Kulbaski	Attorney of Record	

Date of Interview: 24 May 2022

Issues Discussed:

Proposed Amendment(s)

We discussed the proposed amendment in view of the prior art applied. The new claims require further search and Applicant will file a formal amendment/RCE in order to examine them. The Examiner will update his search upon receiving such amendment.

/YVES DALENCOURT/ Primary Examiner, Art Unit 2457	

Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04
Please further see:
MPEP 713.04
Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b)
37 CFR § 1.2 Business to be transacted in writing

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

DOCKET NO: 16416US04CON

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF	:	
KAORU MAEDA	:	EXAMINER: DALENCOURT, YVES
SERIAL NO: 17/104,322	:	
FILED: NOVEMBER 25, 2020	:	GROUP ART UNIT: 2457
FOR: TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM	:	

AMENDMENT UNDER 37 C.F.R. § 1.111

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

Commissioner:

In response to the Office Action dated March 9, 2022, the following is submitted in connection with the above-identified application.

Agenda

IN THE CLAIMS

Please amend the claims as follows:

1. (Canceled).

2. (Currently Amended) A management system, comprising:

one or more memories to store:

identification information to be used upon logging in to the management system,

first name information which indicates a name associated with the identification information, and

meeting information reserved upon logging in to the management system; and

processing circuitry configured to:

~~store, in the one or more memories, identification information to be used upon logging in to the management system, and first name information which indicates a name of a destination associated with the identification information;~~

~~store, in the one or more memories, meeting information reserved upon logging in to the management system;~~

~~read, from the one or more memories, the stored first name information of the destination~~

transmit the ~~read~~ first name information ~~of the destination~~ to a transmission terminal that has logged in to the management system based on the identification information;

~~update~~ receive, from the transmission terminal, ~~the first name information set in association with the reserved meeting information, to~~ second name information which is ~~being~~ different from the first name information and is updated name information of the first name information associated with the meeting information; and

Agenda

store, in the one or more memories, the ~~updated~~ second name information in association with the ~~reserved~~ meeting information which has been reserved.

3. (Currently Amended) The management system as claimed in claim 2, wherein the first name information or the second name information ~~of the destination~~ is information based on the transmission terminal or information based on a user of the transmission terminal.

4. (Currently Amended) The management system as claimed in claim 2, wherein the first name information ~~of the destination~~ stored in the one or more memories is information based on a request for registering name information ~~of the destination~~ from the transmission terminal.

5. (Currently Amended) The management system as claimed in claim 2, wherein the processing circuitry is further configured to:

transmit the first name information ~~of the destination~~ to the transmission terminal, in order to display a destination list including the first name information ~~destination~~ on the transmission terminal that has logged in to the management system.

6. (Currently Amended) The management system as claimed in claim 2, wherein the processing circuitry is further configured to:

transmit the second name information associated with the ~~reserved~~ meeting information to the transmission terminal, in order to display information on participants of a meeting corresponding to the meeting information on the transmission terminal that has logged in to the management system.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 186 of 270

7. (Previously Presented) The management system as claimed in claim 6, wherein the second name information transmitted to the transmission terminal is name information associated with another transmission terminal in a state of participating in the meeting corresponding to the meeting information.

8. (Previously Presented) The management system as claimed in claim 2, wherein the processing circuitry is further configured to:

receive reservation request information indicating a request for reserving a meeting from the transmission terminal that has logged in to the management system, and

store, in the one or more memories, meeting information included in the reservation request information.

9. (Previously Presented) The management system as claimed in claim 2, wherein the processing circuitry is further configured to:

transmit the second name information associated with a meeting corresponding to meeting information selected on the transmission terminal.

10. (Previously Presented) The management system as claimed in claim 9, wherein the processing circuitry is further configured to:

transmit, in a case where the second name information associated with the meeting corresponding to the selected meeting information is not stored, the first name information associated with the identification information, to the transmission terminal on which the meeting information was selected.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 187 of 270

11. (Previously Presented) The management system as claimed in claim 2, wherein the meeting information includes at least a meeting name, start date/time, and end date/time.

12. (Previously Presented) The management system as claimed in claim 2, wherein the management system includes one or more computer.

13. (Currently Amended) A method, comprising:

~~storing, in one or more memories, identification information to be used upon logging in to a management system, and first name information which indicates a name of a destination associated with the identification information;~~

~~storing, in the one or more memories, meeting information reserved upon logging in to the management system;~~

reading, from [[the]] one or more memories, ~~the stored~~ first name information which indicates a name associated with identification information to be used upon logging in to a management system; ~~of the destination~~

transmitting the read first name information ~~of the destination~~ to a transmission terminal that has logged in to a [[the]] management system based on the identification information;

receiving, from the transmission terminal, ~~updating the first name information set in association with the reserved meeting information, to~~ second name information which is ~~being~~ different from the first name information and is updated name information of the first name information associated with the meeting information; and

storing, in the one or more memories, the ~~updated~~ second name information in association with ~~the reserved~~ meeting information reserved upon logging in to the management system.

Agenda

14. (Currently Amended) The method as claimed in claim 13, wherein the first name information or the second name information ~~of the destination~~ is information based on the transmission terminal or information based on a user of the transmission terminal.

15. (Currently Amended) The method as claimed in claim 13, wherein the first name information ~~of the destination~~ stored in the one or more memories is information based on a request for registering name information ~~of the destination~~ from the transmission terminal.

16. (Currently Amended) The method as claimed in claim 13, further comprising:

transmitting the first name information ~~of the destination~~ to the transmission terminal, in order to display a destination list including the first name information ~~destination~~ on the transmission terminal that has logged in to the management system.

17. (Previously Presented) The method as claimed in claim 13, further comprising:

transmitting the second name information associated with the meeting information to the transmission terminal, in order to display information on participants of a meeting corresponding to the meeting information on the transmission terminal that has logged in to the management system.

18. (Previously Presented) The method as claimed in claim 17, wherein the second name information transmitted to the transmission terminal is name information associated with

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 189 of 270

another transmission terminal in a state of participating in the meeting corresponding to the meeting information.

19. (Previously Presented) The method as claimed in claim 13, further comprising:

receiving reservation request information indicating a request for reserving a meeting from the transmission terminal that has logged in to the management system, and

storing, in the one or more memories, meeting information included in the reservation request information.

20. (Previously Presented) The method as claimed in claim 13, further comprising:

transmitting the second name information associated with a meeting corresponding to meeting information selected on the transmission terminal.

21. (Previously Presented) The method as claimed in claim 20, further comprising:

transmitting, in a case where the second name information associated with the meeting corresponding to the selected meeting information is not stored, the first name information associated with the identification information, to the transmission terminal on which the meeting information was selected.

22. (Previously Presented) The method as claimed in claim 13, wherein the meeting information includes at least a meeting name, start date/time, and end date/time.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 190 of 270

23. (Previously Presented) The method as claimed in claim 13, wherein the management system includes one or more computer.

24. (Currently Amended) A system, comprising:

a transmission terminal; and

a management system, including

one or more memories to store:

identification information to be used upon logging in to the management system,

first name information which indicates a name associated with the identification information, and

meeting information reserved upon logging in to the management system; and

processing circuitry configured to:

~~store, in the one or more memories, identification information to be used upon logging in to the management system, and first name information which indicates a name of a destination associated with the identification information;~~

~~store, in the one or more memories, meeting information reserved upon logging in to the management system;~~

~~read, from the one or more memories, the stored first name information of the destination~~

transmit the ~~read~~ first name information ~~of the destination~~ to a transmission terminal that has logged in to the management system based on the identification information;

~~update~~ receive, from the transmission terminal, ~~the first name information set in association with the reserved meeting information, to~~ second name information which is ~~being~~ different from the first name information and is updated name information of the first name information associated with the meeting information; and

Agenda

store, in the one or more memories, the ~~updated~~ second name information in association with the ~~reserved~~ meeting information which has been reserved.

25. (New) The management system as claimed in claim 2, wherein:

the first name information is a name included in the destination list displayed on the transmission terminal, and the second name information is a name included in the information related to a meeting on which a predetermined date and time is set to be displayed on the transmission terminal.

26. (New) The method as claimed in claim 13, wherein:

the first name information is a name included in the destination list displayed on the transmission terminal, and the second name information is a name included in the information related to a meeting on which a predetermined date and time is set to be displayed on the transmission terminal.

27. (New) The system as claimed in Claim 24, wherein:

the first name information is a name included in the destination list displayed on the transmission terminal, and the second name information is a name included in the information related to a meeting on which a predetermined date and time is set to be displayed on the transmission terminal.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 192 of 270

REMARKS/ARGUMENTS

Favorable reconsideration of this application is respectfully requested.

Claims 2-27 are pending in the present application; Claims 2-6, 13-16, and 24 having been amended, and Claims 25-27 having been added by the present amendment. No new matter is added.

In the Office Action, Claims 2-24 were not examined as being directed to a different invention, Claim 1 is objected to, Claim 1 is rejected under 35 U.S.C. 112(b) as being indefinite, certain claim terms are indicated as being interpreted under 35 U.S.C. 112(f), Claim 1 is rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 1 of U.S. Patent No. 9,661,057, and Claim 1 is rejected under pre-AIA 35 U.S.C. 102(b) as being anticipated by Wada (US 2007/0086065).

Claim 1 is objected to. Claim 1 has been canceled and the Previously Presented claims do not use the term "capable of."

Accordingly, the objection to the claims is respectfully requested to be withdrawn.

Claim 1 is rejected under 35 USC 112(b) as being indefinite.

Claim 1 has been canceled, and the Previously Presented added claims do not have an issue as to how the destination name data transmitting unit is configured to transmit the at least one destination name to a transmission terminal.

Accordingly, the rejection under 35 USC 112(b) is respectfully requested to be withdrawn.

Certain claim terms were indicated as being interpreted under 35 U.S.C. 112(f). Claim 1 has been canceled and the pending claims do not recite any terms which are to be interpreted under 35 USC § 112(f).

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 193 of 270

Claim 1 is rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 1 of U.S. Patent No. 9,661,057. Claim 1 has been canceled and Previously Presented Claim 2 recites first name information and second name information. Such elements do not appear in the claims of U.S.P. 9,661,057.

Accordingly, the double patenting rejection is respectfully requested to be withdrawn.

Claim 1 is rejected under pre-AIA 35 U.S.C. 102(b) as being anticipated by Wada. This rejection is respectfully traversed with respect to the Previously Presented claims.

Claim 2 recites a combination including processing circuitry configured to:

> ~~update~~ receive ~~the first name information set in association with the reserved meeting information, to~~ second name information which is ~~being~~ different from the first name information.

Wada only discloses management of destinations including the names of the destinations as illustrated in FIG. 3. There is no disclosure of a configuration that updates the name information of a destination set in association with meeting information, to different name information.

For at least this reason, Claim 2 is patentable over the prior art.

Independent Claims 13 and 24 are also patentable.

The dependent claims are patentable for at least the reasons the claims from which they depend are patentable.

Consequently, in light of the above discussion, this application is believed to be in condition for allowance, and an early and favorable action to that effect is respectfully requested.

Agenda

Should the Examiner deem that any further action is necessary to place this application in form for allowance, the Examiner is encouraged to contact the undersigned representative at the below listed telephone number.

Respectfully Submitted,

XSENSUS, L.L.P.

_____

James J. Kulbaski
Attorney of Record
Registration No. 34,648
Phone No. (571) 376-6313

Customer No. 154930
Xsensus LLP
100 Daingerfield Rd, Suite 402
Alexandria, VA 22314

Agenda

DOCKET NO: 16416US04CON

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF	:
KAORU MAEDA	: EXAMINER: DALENCOURT, YVES
SERIAL NO: 17/104,322	:
FILED: NOVEMBER 25, 2020	: GROUP ART UNIT: 2457
FOR: TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM	:

AMENDMENT UNDER 37 C.F.R. § 1.114

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

Commissioner:

In response to the Office Action dated March 9, 2022, the following is submitted in connection with the above-identified application.

IN THE CLAIMS

Please amend the claims as follows:

1. (Canceled).

2. (Currently Amended) A management system, comprising:

one or more memories to store:

identification information to be used upon logging in to the management system,

first name information which indicates a name associated with the identification information, and

meeting information relating to a scheduled meeting; and

processing circuitry configured to:

~~store, in the one or more memories, identification information to be used upon logging in to the management system, and first name information which indicates a name of a destination associated with the identification information;~~

~~store, in the one or more memories, meeting information reserved upon logging in to the management system;~~

~~read, from the one or more memories, the stored first name information of the destination~~

transmit the ~~read~~ first name information ~~of the destination~~ to a transmission terminal that has logged in to the management system based on the identification information;

~~update~~ receive, from the transmission terminal, ~~the first name information set in association with the reserved meeting information, to~~ second name information which is ~~being~~ different from the first name information and is updated name information of the first name information, the second name information being a name displayed in a meeting held based on the meeting information; and

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 197 of 270

store, in the one or more memories, the ~~updated~~ second name information in association with the ~~reserved~~ meeting information.

3. (Currently Amended) The management system as claimed in claim 2, wherein the first name information or the second name information ~~of the destination~~ is information based on the transmission terminal or information based on a user of the transmission terminal.

4. (Currently Amended) The management system as claimed in claim 2, wherein the first name information ~~of the destination~~ stored in the one or more memories is information based on a request for registering name information ~~of the destination~~ from the transmission terminal.

5. (Currently Amended) The management system as claimed in claim 2, wherein the processing circuitry is further configured to:

transmit the first name information ~~of the destination~~ to the transmission terminal, in order to display a destination list including the first name information ~~destination~~ on the transmission terminal that has logged in to the management system.

6. (Currently Amended) The management system as claimed in claim 2, wherein the processing circuitry is further configured to:

transmit the second name information associated with the ~~reserved~~ meeting information to the transmission terminal, in order to display information on participants of a meeting corresponding to the meeting information on the transmission terminal that has logged in to the management system.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 198 of 270

7. (Previously Presented) The management system as claimed in claim 6, wherein the second name information transmitted to the transmission terminal is name information associated with another transmission terminal in a state of participating in the meeting corresponding to the meeting information.

8. (Previously Presented) The management system as claimed in claim 2, wherein the processing circuitry is further configured to:

receive reservation request information indicating a request for reserving a meeting from the transmission terminal that has logged in to the management system, and

store, in the one or more memories, meeting information included in the reservation request information.

9. (Previously Presented) The management system as claimed in claim 2, wherein the processing circuitry is further configured to:

transmit the second name information associated with a meeting corresponding to meeting information selected on the transmission terminal.

10. (Previously Presented) The management system as claimed in claim 9, wherein the processing circuitry is further configured to:

transmit, in a case where the second name information associated with the meeting corresponding to the selected meeting information is not stored, the first name information associated with the identification information, to the transmission terminal on which the meeting information was selected.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 199 of 270

11. (Previously Presented) The management system as claimed in claim 2, wherein the meeting information includes at least a meeting name, start date/time, and end date/time.

12. (Previously Presented) The management system as claimed in claim 2, wherein the management system includes one or more computer.

13. (Currently Amended) A method, comprising:

~~storing, in one or more memories, identification information to be used upon logging in to a management system, and first name information which indicates a name of a destination associated with the identification information;~~

~~storing, in the one or more memories, meeting information reserved upon logging in to the management system;~~

reading, from [[the]] one or more memories, ~~the stored~~ first name information which indicates a name associated with identification information to be used upon logging in to a management system; ~~of the destination~~

transmitting the read first name information ~~of the destination~~ to a transmission terminal that has logged in to a [[the]] management system based on the identification information;

receiving, from the transmission terminal, ~~updating the first name information set in association with the reserved meeting information, to~~ second name information which is ~~being~~ different from the first name information, is updated name information of the first name, and is a name displayed in a meeting held based on meeting information relating to a scheduled meeting, the meeting information being stored in the one or more memories; and

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 200 of 270

storing, in the one or more memories, the ~~updated~~ second name information in association with the ~~reserved~~ meeting information.

14. (Currently Amended) The method as claimed in claim 13, wherein the first name information or the second name information ~~of the destination~~ is information based on the transmission terminal or information based on a user of the transmission terminal.

15. (Currently Amended) The method as claimed in claim 13, wherein the first name information ~~of the destination~~ stored in the one or more memories is information based on a request for registering name information ~~of the destination~~ from the transmission terminal.

16. (Currently Amended) The method as claimed in claim 13, further comprising:

transmitting the first name information ~~of the destination~~ to the transmission terminal, in order to display a destination list including the first name information ~~destination~~ on the transmission terminal that has logged in to the management system.

17. (Previously Presented) The method as claimed in claim 13, further comprising:

transmitting the second name information associated with the meeting information to the transmission terminal, in order to display information on participants of a meeting corresponding to the meeting information on the transmission terminal that has logged in to the management system.

18. (Previously Presented) The method as claimed in claim 17, wherein the second name information transmitted to the transmission terminal is name information associated with

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 201 of 270

another transmission terminal in a state of participating in the meeting corresponding to the meeting information.

19. (Previously Presented) The method as claimed in claim 13, further comprising:

receiving reservation request information indicating a request for reserving a meeting from the transmission terminal that has logged in to the management system, and

storing, in the one or more memories, meeting information included in the reservation request information.

20. (Previously Presented) The method as claimed in claim 13, further comprising:

transmitting the second name information associated with a meeting corresponding to meeting information selected on the transmission terminal.

21. (Previously Presented) The method as claimed in claim 20, further comprising:

transmitting, in a case where the second name information associated with the meeting corresponding to the selected meeting information is not stored, the first name information associated with the identification information, to the transmission terminal on which the meeting information was selected.

22. (Previously Presented) The method as claimed in claim 13, wherein the meeting information includes at least a meeting name, start date/time, and end date/time.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 202 of 270

23. (Previously Presented) The method as claimed in claim 13, wherein the management system includes one or more computer.

24. (Currently Amended) A system, comprising:

a transmission terminal; and

a management system, including

one or more memories to store:

identification information to be used upon logging in to the management system,

first name information which indicates a name associated with the identification information, and

meeting information relating to a scheduled meeting; and

processing circuitry configured to:

~~store, in the one or more memories, identification information to be used upon logging in to the management system, and first name information which indicates a name of a destination associated with the identification information;~~

~~store, in the one or more memories, meeting information reserved upon logging in to the management system;~~

~~read, from the one or more memories, the stored first name information of the destination~~

transmit the ~~read~~ first name information ~~of the destination~~ to a transmission terminal that has logged in to the management system based on the identification information;

~~update~~ receive, from the transmission terminal, ~~the first name information set in association with the reserved meeting information, to~~ second name information which is ~~being~~ different from the first name information and is updated name information of the first name information, the second name information being a name displayed in a meeting held based on the meeting information; and

store, in the one or more memories, the ~~updated~~ second name information in association with the ~~reserved~~ meeting information.

25. (New) The management system as claimed in claim 2, wherein:

the first name information is a name included in a destination list displayed on the transmission terminal, and the second name information is a name included in the information related to a meeting on which a predetermined date and time is set to be displayed on the transmission terminal.

26. (New) The management system as claimed in claim 2, wherein:

the meeting information includes at least the identification information as one or more participants of the scheduled meeting.

27. (New) The management system as claimed in claim 2, wherein:

the processing circuitry receives the second name information before the scheduled meeting is started

28. (New) The management system as claimed in claim 2, wherein:

the updated name information of the first name information is name information that is to be displayed instead of displaying the first name information.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 204 of 270

29. (New) The method as claimed in claim 13, wherein:

the first name information is a name included in a destination list displayed on the transmission terminal, and the second name information is a name included in the information related to a meeting on which a predetermined date and time is set to be displayed on the transmission terminal.

30. (New) The method as claimed in claim 13, wherein:

the meeting information includes at least the identification information as one or more participants of the scheduled meeting.

31. (New) The method as claimed in claim 13, wherein:

the receiving of the second name information occurs before the scheduled meeting is started.

32. (New) The method as claimed in claim 13, wherein:

the updated name information of the first name information is name information that is to be displayed instead of displaying the first name information.

33. (New) The system as claimed in Claim 24, wherein:

the first name information is a name included in a destination list displayed on the transmission terminal, and the second name information is a name included in the information related to a meeting on which a predetermined date and time is set to be displayed on the transmission terminal.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 205 of 270

34. (New) The system as claimed in claim 24, wherein:

the meeting information includes at least the identification information as one or more participants of the scheduled meeting.

35. (New) The system as claimed in claim 24, wherein:

the processing circuitry receives the second name information before the scheduled meeting is started

36. (New) The management system as claimed in claim 24 wherein:

the updated name information of the first name information is name information that is to be displayed instead of displaying the first name information.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 206 of 270

Electronic Acknowledgement Receipt	
EFS ID:	45918682
Application Number:	17104322
International Application Number:	
Confirmation Number:	5254
Title of Invention:	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM
First Named Inventor/Applicant Name:	Kaoru MAEDA
Customer Number:	154930
Filer:	James J. Kulbaski/Chi Park
Filer Authorized By:	James J. Kulbaski
Attorney Docket Number:	16416US04CON
Receipt Date:	09-JUN-2022
Filing Date:	25-NOV-2020
Time Stamp:	15:48:34
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$2560
RAM confirmation Number	E202269F48502280
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		16416US04CONRCEAMD_signed.pdf	4213484 45754fe04feee225272cf0d1731a6d64bc3cc44c	yes	16

Multipart Description/PDF files in .zip description

Document Description	Start	End
Request for Continued Examination (RCE)	1	1
Miscellaneous Incoming Letter	2	2
Amendment Submitted/Entered with Filing of Continued Prosecution Application (CPA)/Request for Continued Examination(RCE)	3	3
Claims	4	13
Applicant Arguments/Remarks Made in an Amendment	14	16

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	40526 fc8fb899709bb5781e9c758fcc6be6e648d4bff4	no	2

Warnings:

Information:

Total Files Size (in bytes):	4254010

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/30 (11-17)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Request for Continued Examination (RCE) Transmittal

Address to:
Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Number	17/104,322
Filing Date	25 Nov 2020
First Named Inventor	KAORU MAEDA
Art Unit	2457 Confirmation No. 5254
Examiner Name	DALENCOURT, YVES
Attorney Docket Number	16416US04CON

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

1. Submission required under 37 CFR 1.114 Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

   a. ☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

      i. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

      ii. ☐ Other _____

   b. ☑ Enclosed

      i. ☑ Amendment/Reply

      ii. ☐ Affidavit(s)/ Declaration(s)

      iii. ☐ Information Disclosure Statement (IDS)

      iv. ☐ Other _____

2. Miscellaneous

   a. ☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

   b. ☐ Other _____

3. Fees The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

   a. ☑ The Director is hereby authorized to charge the following fees, any underpayment of fees, or credit any overpayments, to Deposit Account No. 602325.

      i. ☑ RCE fee required under 37 CFR 1.17(e)

      ii. ☐ Extension of time fee (37 CFR 1.136 and 1.17)

      iii. ☑ Other Additional total claims fee

   b. ☐ Check in the amount of $ _____ enclosed

   c. ☐ Payment by credit card (Form PTO-2038 enclosed)

   d. ■ Payment by EFS-Web

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Signature	/James J Kulbaski/	Date	2022-6-9
Name (Print/Type)	James J. Kulbaski	Registration No.	34,648

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being EFS-Web transmitted to the United States Patent and Trademark Office (USPTO), deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 or facsimile transmitted to the USPTO on the date shown below.

Signature			
Name (Print/Type)		Date	

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

REMARKS/ARGUMENTS

Favorable reconsideration of this application is respectfully requested.

Claims 2-36 are pending in the present application; Claims 2-6, 13-16, and 24 having been amended, and Claims 25-36 having been added by the present amendment. No new matter is added.

The Applicant acknowledges with appreciation the courtesy of an interview extended by Examiner Dalencourt to Jim Kulbaski on May 24, 2022, during which the outstanding issues were discussed. With regard to the allowability of the claims over the applied prior art, Examiner Dalencourt indicated that an update search was required. Further, Examiner Dalencourt indicated that upon the filing of an RCE, the Restriction/Constructive Election Requirement would be withdrawn and the claims herein which were discussed at the interview would be examined.

In the Office Action, Claims 2-24 were not examined as being directed to a different invention, Claim 1 is objected to, Claim 1 is rejected under 35 U.S.C. 112(b) as being indefinite, certain claim terms are indicated as being interpreted under 35 U.S.C. 112(f), Claim 1 is rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 1 of U.S. Patent No. 9,661,057, and Claim 1 is rejected under pre-AIA 35 U.S.C. 102(b) as being anticipated by Wada (US 2007/0086065).

Claim 1 is objected to. Claim 1 has been canceled and the Previously Presented claims do not use the term "capable of."

Accordingly, the objection to the claims is respectfully requested to be withdrawn.

Claim 1 is rejected under 35 USC 112(b) as being indefinite.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 211 of 270

Claim 1 has been canceled, and the Previously Presented added claims do not have an issue as to how the destination name data transmitting unit is configured to transmit the at least one destination name to a transmission terminal.

Accordingly, the rejection under 35 USC 112(b) is respectfully requested to be withdrawn.

Certain claim terms were indicated as being interpreted under 35 U.S.C. 112(f). Claim 1 has been canceled and the pending claims do not recite any terms which are to be interpreted under 35 USC § 112(f).

Claim 1 is rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 1 of U.S. Patent No. 9,661,057. Claim 1 has been canceled and Previously Presented Claim 2 recites first name information and second name information. Such elements do not appear in the claims of U.S.P. 9,661,057.

Accordingly, the double patenting rejection is respectfully requested to be withdrawn.

Claim 1 is rejected under pre-AIA 35 U.S.C. 102(b) as being anticipated by Wada. This rejection is respectfully traversed with respect to the Previously Presented claims.

Claim 2 recites a combination including processing circuitry configured to:

> ~~update~~ receive ~~the first name information set in association with the reserved meeting information, to~~ second name information which is ~~being~~ different from the first name information.

Wada only discloses management of destinations including the names of the destinations as illustrated in FIG. 3. There is no disclosure of a configuration that updates the name information of a destination set in association with meeting information, to different name information.

For at least this reason, Claim 2 is patentable over the prior art.

Independent Claims 13 and 24 are also patentable.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 212 of 270

The dependent claims are patentable for at least the reasons the claims from which they depend are patentable.

Consequently, in light of the above discussion, this application is believed to be in condition for allowance, and an early and favorable action to that effect is respectfully requested.

Should the Examiner deem that any further action is necessary to place this application in form for allowance, the Examiner is encouraged to contact the undersigned representative at the below listed telephone number.

Respectfully Submitted,

XSENSUS, L.L.P.

/James J Kulbaski/

James J. Kulbaski
Attorney of Record
Registration No. 34,648
Phone No. (571) 376-6313

Customer No. 154930
Xsensus LLP
100 Daingerfield Rd, Suite 402
Alexandria, VA 22314

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 213 of 270

IN THE UNITED STATES PATENT & TRADEMARK OFFICE
FEE TRANSMITTAL

Application Number	17/104,322
Filing Date	25 Nov 2020
First Named Inventor	KAORU MAEDA
Art Unit	2457
Examiner Name	DALENCOURT, YVES
Attorney Docket Number	16416US04CON

☐ No additional fee is required ☐ Small entity status is claimed

	Claims Remaining After Amendment		Highest Number of Claims Previously Paid For	Current Extra Claims	Rate	Additional Fee
Total Claims	35	-	23	= 12	x $ 100.00 =	$ 1,200.00
Independent Claims	3	-	3	= 0	x $ 480.00 =	$ 0.00
APPLICATION SIZE FEE (37 CFR 1.16(s))					$	$
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					N/A	$
					TOTAL	$ 1,200.00

EXTENSION OF TIME	$
REQUEST FOR RECONSIDERATION (RCE)	$ 1,360.00
NOTICE OF APPEAL	$
TERMINAL DISCLAIMER	$
	$
	$
TOTAL	$ 2,560.00

The Commissioner is hereby authorized to charge any additional fees that may be required for papers being filed herewith and for which no payment is enclosed herewith, or credit any overpayment to Deposit Account **602325**

XSENSUS, LLP
Customer Number:
154930

Electronic Patent Application Fee Transmittal

Application Number:	17104322
Filing Date:	25-Nov-2020
Title of Invention:	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM
First Named Inventor/Applicant Name:	Kaoru MAEDA
Filer:	James J. Kulbaski/Chi Park
Attorney Docket Number:	16416US04CON

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
CLAIMS IN EXCESS OF 20	1202	12	100	1200
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
RCE- 1ST REQUEST	1801	1	1360	1360
		Total in USD ($)		**2560**

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 17/104,322	Filing Date 11/25/2020	☐ To be Mailed

ENTITY: ☑ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $100 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $480 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	06/09/2022	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 35	Minus	** 20	= 15		x $100 =	1500
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0		x $480 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	1500

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=		x $0 =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=		x $0 =	
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.	PSA
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".	/CHERYL A CLARK/
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".	
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.	

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Doc Code: DISQ.E.FILE
Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 17104322

Filing Date: 25-Nov-2020

Applicant/Patent under Reexamination: MAEDA

Electronic Terminal Disclaimer filed on July 1, 2022

☒ APPROVED

This patent is subject to a terminal disclaimer

☐ DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

Doc Code: DIST.E.FILE **Document Description: Electronic Terminal Disclaimer - Filed**	PTO/SB/26 U.S. Patent and Trademark Office Department of Commerce

Electronic Petition Request	**TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT**
Application Number	17104322
Filing Date	25-Nov-2020
First Named Inventor	Kaoru MAEDA
Attorney Docket Number	16416US04CON
Title of Invention	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM

☒ Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action

☒ This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.

Owner	Percent Interest
Ricoh Company, Ltd.	100%

The owner(s) with percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s)

9661057

as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:
- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or
- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

◉ Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.

○ I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.	
Applicant claims the following fee status: ○ Small Entity ○ Micro Entity ◉ Regular Undiscounted I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.	
THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES I certify, in accordance with 37 CFR 1.4(d)(4) that I am: ◉ An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application Registration Number 34648 ○ A sole inventor ○ A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application ○ A joint inventor; all of whom are signing this request	
Signature	/James J. Kulbaski/
Name	James J. Kulbaski

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Electronic Acknowledgement Receipt	
EFS ID:	46099314
Application Number:	17104322
International Application Number:	
Confirmation Number:	5254
Title of Invention:	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM
First Named Inventor/Applicant Name:	Kaoru MAEDA
Customer Number:	154930
Filer:	James J. Kulbaski/Christine Grimes
Filer Authorized By:	James J. Kulbaski
Attorney Docket Number:	16416US04CON
Receipt Date:	01-JUL-2022
Filing Date:	25-NOV-2020
Time Stamp:	15:15:18
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$170
RAM confirmation Number	E202271F15130055
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Terminal Disclaimer-Filed (Electronic)	eTerminal-Disclaimer.pdf	41200 fb848e9153138dc10a3ffbdc1e109aa92aed969e	no	2
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	37935 6a0e9823deb49dcd37d82ef5220fea8f55e7379e	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	79135		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Electronic Patent Application Fee Transmittal

Application Number:	17104322
Filing Date:	25-Nov-2020
Title of Invention:	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM
First Named Inventor/Applicant Name:	Kaoru MAEDA
Filer:	James J. Kulbaski/Christine Grimes
Attorney Docket Number:	16416US04CON

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
STATUTORY OR TERMINAL DISCLAIMER	1814	1	170	170
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**170**

Bibliographic Data

Application No: 17/104,322

Foreign Priority claimed: (•) Yes ( ) No

35 USC 119 (a-d) conditions met: [✓] Yes [ ] No [✓] Met After Allowance

Verified and Acknowledged: /YVES DALENCOURT/ Examiner's Signature | Y.D Initials

Title: TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
11/25/2020	709	2457	16416US04CON
RULE			

APPLICANTS

Ricoh Company, Ltd., Tokyo, JAPAN

INVENTORS

Kaoru MAEDA, Kanagawa, JAPAN

Takahiro Asai, Kanagawa, JAPAN

CONTINUING DATA

This application is a CON of 16291842 03/04/2019 PAT 10904315

16291842 is a CON of 15290917 10/11/2016 PAT 10270837

15290917 is a CON of 14417868 01/28/2015 PAT 9661057

14417868 is a 371 of PCT/JP13/70953 07/26/2013

FOREIGN APPLICATIONS

JAPAN JP2012-171192 08/01/2012

IF REQUIRED, FOREIGN LICENSE GRANTED**

12/29/2020

STATE OR COUNTRY

JAPAN

ADDRESS

XSENSUS LLP
100 Daingerfield Road
Suite 402
Alexandria, VA 22314
UNITED STATES

FILING FEE RECEIVED

$1,820

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/104,322	MAEDA et al.
	Examiner	**Art Unit**
	YVES DALENCOURT	2457

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☑ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	09/08/2021	03/04/2022	06/28/2022						
	1	✓	✓	-						
1	2		N	=						
2	3		N	=						
3	4		N	=						
4	5		N	=						
5	6		N	=						
6	7		N	=						
7	8		N	=						
8	9		N	=						
9	10		N	=						
10	11		N	=						
11	12		N	=						
16	13		N	=						
17	14		N	=						
18	15		N	=						
19	16		N	=						
20	17		N	=						
21	18		N	=						
22	19		N	=						
23	20		N	=						
24	21		N	=						
25	22		N	=						
26	23		N	=						
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29	31			=						
30	32			=						
32	33			=						
33	34			=						
34	35			=						
35	36									

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 226 of 270

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/104,322	MAEDA et al.
	Examiner	**Art Unit**
	YVES DALENCOURT	2457

CPC							
Symbol						**Type**	**Version**
H04L	/	67	/	02		F	2013-01-01
H04N	/	7	/	15		I	2013-01-01
H04L	/	12	/	1818		I	2013-01-01
H04M	/	3	/	563		I	2013-01-01
H04L	/	61	/	4505		I	2022-05-01
H04L	/	65	/	1093		I	2013-01-01
H04L	/	65	/	403		I	2013-01-01
H04L	/	61	/	59		A	2022-05-01
H04M	/	3	/	565		A	2013-01-01

CPC Combination Sets								
Symbol						**Type**	**Set**	**Ranking**	**Version**
	/		/						

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	35	
/YVES DALENCOURT/ Primary Examiner, Art Unit 2457	29 June 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	6

U.S. Patent and Trademark Office — Part of Paper No.: 20220628

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 227 of 270

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/104,322	MAEDA et al.
	Examiner	**Art Unit**
	YVES DALENCOURT	2457

INTERNATIONAL CLASSIFICATION					
CLAIMED					
G06F	/	15	/	16	

NON-CLAIMED					
	/		/		

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	35	
/YVES DALENCOURT/ Primary Examiner, Art Unit 2457	29 June 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	6

U.S. Patent and Trademark Office — Part of Paper No.: 20220628

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 228 of 270

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/104,322	MAEDA et al.
	Examiner	**Art Unit**
	YVES DALENCOURT	2457

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☑ T.D. ☐ R.1.47

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
	1	9	10	22	19	15	28								
1	2	10	11	23	20	27	29								
2	3	11	12	24	21	28	30								
3	4	16	13	25	22	29	31								
4	5	17	14	26	23	30	32								
5	6	18	15	31	24	32	33								
6	7	19	16	12	25	33	34								
7	8	20	17	13	26	34	35								
8	9	21	18	14	27	35	36								

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	35	
/YVES DALENCOURT/ Primary Examiner, Art Unit 2457	29 June 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	6

U.S. Patent and Trademark Office — Part of Paper No.: 20220628

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 229 of 270

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

154930 7590 07/13/2022

XSENSUS LLP
100 Daingerfield Road
Suite 402
Alexandria, VA 22314

EXAMINER
DALENCOURT, YVES

ART UNIT	PAPER NUMBER
2457	

DATE MAILED: 07/13/2022

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/104,322	11/25/2020	Kaoru MAEDA	16416US04CON	5254

TITLE OF INVENTION: TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	10/13/2022

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

154930 7590 07/13/2022
XSENSUS LLP
100 Daingerfield Road
Suite 402
Alexandria, VA 22314

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/104,322	11/25/2020	Kaoru MAEDA	16416US04CON	5254

TITLE OF INVENTION: TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	10/13/2022

EXAMINER	ART UNIT	CLASS-SUBCLASS
DALENCOURT, YVES	2457	709-204000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1_____
2_____
3_____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. Fees submitted: ❑Issue Fee ❑Publication Fee (if required) ❑Advance Order - # of Copies _____

4b. Method of Payment: *(Please first reapply any previously paid fee shown above)*

❑ Electronic Payment via EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. **Change in Entity Status** (from status indicated above)

❑ Applicant certifying micro entity status. See 37 CFR 1.29

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 231 of 270

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/104,322	11/25/2020	Kaoru MAEDA	16416US04CON	5254

154930 7590 07/13/2022

XSENSUS LLP
100 Daingerfield Road
Suite 402
Alexandria, VA 22314

EXAMINER	
DALENCOURT, YVES	
ART UNIT	PAPER NUMBER
2457	

DATE MAILED: 07/13/2022

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

PTOL-85 (Rev. 02/11)

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 17/104,322	Applicant(s) MAEDA et al.	
	Examiner YVES DALENCOURT	Art Unit 2457	AIA (FITF) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to request for continued examination (RCE) filed on 06/09/2022.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☑ The allowed claim(s) is/are 2-36 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

4. ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☑ All b) ☐ Some* c) ☐ None of the:

   1. ☐ Certified copies of the priority documents have been received.
   2. ☑ Certified copies of the priority documents have been received in Application No. 15/290,917 .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☑ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/YVES DALENCOURT/
Primary Examiner, Art Unit 2457

DETAILED ACTION

This office action is responsive to request for continued examination (RCE) filed on 06/09/2022.

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 06/09/2022 has been entered.

Terminal Disclaimer

The terminal disclaimer filed on 07/01/2021 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of **9,661,057** has been reviewed and is accepted. The terminal disclaimer has been recorded.

Allowable Subject Matter

Claims 2 – 36 are allowed.

The following is an examiner's statement of reasons for allowance: As specifically claimed, the art or record fail to teach, among other limitations and in combination:

A management system, comprising a processing circuitry configured to:

transmit the first name information to a transmission terminal that has logged in to the management system based on the identification information;

receive, from the transmission terminal, second name information which is different from the first name information and is updated name information of the first name information, the second name information being a name displayed in a meeting held based on the meeting information; and

store, in the one or more memories, the second name information in association with the meeting information.

None of the prior art teaches the claimed limitations.

Reasons for Allowance

This communication warrants no Examiner's reason for allowance, as Applicant's amendment makes evident the reason for allowance, satisfying the record as whole as required by rule 37 CFR 1.104 (e). In this case, the substance of applicant's remarks with respect to the claims filed on 06/09/2022 point out the reason claims are patentable over the prior art of record. Thus, the reason for allowance is in all probability evident from the record and no statement for examiner's reason for allowance is necessary (see MPEP 13202.14).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YVES DALENCOURT whose telephone number is (571)272-3998. The examiner can normally be reached M-F 8AM-5:30PM.

Examiner interviews are available via telephone, in-person, and video conferencing u4322sing a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: https://patentcenter.uspto.gov. Visit https://www.uspto.gov/patents/apply/patent-center for more information about Patent Center and https://www.uspto.gov/patents/docx for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/YVES DALENCOURT/

Primary Examiner, Art Unit 2457

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/104,322	MAEDA et al.
	Examiner	Art Unit
	YVES DALENCOURT	2457

CPC - Searched*		
Symbol	**Date**	**Examiner**
H04L67/04, 18; H04L61/30; H04W4/02	09/08/2021	YD

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	**Date**	**Examiner**
WEST/CPC (text searched)	09/08/2021	YD
InnovationQ Plus-IP.com	09/08/2021	YD
WEST/CPC (updated text search)	03/04/2022	YD
InnovationQ Plus-IP.com	06/28/2022	YD
PE2E/CPC (updated text search)	06/28/2022	YD

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
	PE2E/CPC searched; Check for DP	06/28/2022	YD

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 238 of 270

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	0	chang$3 adj7 correspond$3 adj7 destination adj7 name$1 and correspond$3 adj7 single adj7 name$1	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L2	0	destination near name$1 and (correspond$3 or match$3) single adj7 name$1	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L3	0	destination near name$1 and (correspond$3 or match$3) adj7 single adj7 name$1	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L4	0	wada.in.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L5	0	L4 and name near destination	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L6	0	L5 and single	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L7	0	L4 and masahiro	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L8	0	L7 and destinations	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L9	0	L8 and name$1	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L10	0	destination adj7 name$1 and single adj7 (terminal adj7 identification or (ID))	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L11	0	L10 and destination near name near table$1	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L12	0	L10 and transmission near terminal$1	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L13	0	L10 and L4	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L14	0	L10 and (table or	(US-PGPUB; USPAT;	OR	ON	ON	2021/09/08

		map$1)	EPO; JPO; DERWENT; IBM_TDB)				12:07 PM
L15	0	L14 and single near destination	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L16	0	9223577.pn.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L17	0	6122725.pn.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L18	0	L17 and single	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L19	0	7051190.pn.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L20	0	maeda.in.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L21	0	L20 and single near destination	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L22	0	20070086065	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L23	0	20020138650	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L24	0	(H04W4/02).CPC.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L25	0	(H04L61/30).CPC.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L26	0	(H04L67/04).CPC.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L27	0	(H04L67/18).CPC.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L28	0	9661057.pn.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L29	0	10270837.pn.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L30	0	10904315.pn.	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM
L31	0	("20020138650" |	(US-PGPUB; USPAT;	OR	ON	ON	2021/09/08

		"20070086065" | "20090094694" | "20090177974" | "20120140022" | "20130242038" | "20130278712" | "8769001" | "8782229" | "9661057").PN.	EPO; JPO; DERWENT; IBM_TDB)				12:07 PM
L32	0	L31 and L10	(US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2021/09/08 12:07 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 241 of 270

Discover Main second name information which is different from the fir... STIC

Visuals

1 - 50

Meeting information processing program and meeting information processor

The present invention provides a meeting information processing program and a meeting information processing apparatus that reduce the procedure of operations required for a user for searching, inputting, and registering information related to a meeting. A meeting information processing apparatus 1...

FUJIFILM BUSINESS INNOV CORP

JP2012103813A | Japan Applications | 2012-05-31 | 4

Information distribution device, information distribution system, display device, computer program and information distribution method

PROBLEM TO BE SOLVED: To provide an information distribution device capable of reducing a communication load of a communication network. SOLUTION: In an information distribution system 100, an information distribution device 50 has an acquisition unit that acquires a plurality of display information...

DAI NIPPON PRINTING CO LTD

JP2018160808A | Japan Applications | 2018-11-15 | 4

Video information terminal device and video display system

A video display system for a meeting includes a video information terminal device typified by a liquid crystal projector, a video display unit typified by a whiteboard, a server which stores information and a user terminal (mobile terminal) held by a member of the meeting. A host of the meeting...

MAXELL LTD

US20150288815 | US Applications | 2015-10-08 | 4

Video information terminal device and video display system

A video display system for a meeting includes a video information terminal device typified by a liquid crystal projector, a video display unit typified by a whiteboard, a server which stores information and a user terminal (mobile terminal) held by a member of the meeting. A host of the meeting...

MAXELL LTD

Relevance

0 Results

181 Results

1318 Results

0 Results

0 Results

Publication Date

1982 2021

First Cur Assignee by Relevance

FUJIFILM BUSINESS INN... (97)

DAI NIPPON PRINTING C... (2)

MAXELL LTD (9)

TOSHIBA TEC CORP (1)

KONICA MINOLTA BUSIN... (10)

FUJITSU LTD (35)

More Visuals

Result 4

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 242 of 270

DOCKET NO: 16416US04CON

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF	:
KAORU MAEDA	: EXAMINER: DALENCOURT, YVES
SERIAL NO: 17/104,322	:
FILED: NOVEMBER 25, 2020	: GROUP ART UNIT: 2457
FOR: TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM	:

AMENDMENT AFTER ALLOWANCE UNDER 37 C.F.R. § 1.312

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

Commissioner:

In response to the Notice of Allowance of July 13, 2022, the following is submitted in connection with the above-identified application.

IN THE CLAIMS

Please amend the claims as follows:

1. (Canceled).

2. (Previously Presented) A management system, comprising:

one or more memories to store:

identification information to be used upon logging in to the management system,

first name information which indicates a name associated with the identification information, and

meeting information relating to a scheduled meeting; and

processing circuitry configured to:

transmit the first name information to a transmission terminal that has logged in to the management system based on the identification information;

receive, from the transmission terminal, second name information which is different from the first name information and is updated name information of the first name information, the second name information being a name displayed in a meeting held based on the meeting information; and

store, in the one or more memories, the second name information in association with the meeting information.

3. (Previously Presented) The management system as claimed in claim 2, wherein the first name information or the second name information is information based on the transmission terminal or information based on a user of the transmission terminal.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 244 of 270

4. (Previously Presented) The management system as claimed in claim 2, wherein the first name information stored in the one or more memories is information based on a request for registering name information from the transmission terminal.

5. (Previously Presented) The management system as claimed in claim 2, wherein the processing circuitry is further configured to:

transmit the first name information to the transmission terminal, in order to display a destination list including the first name information on the transmission terminal that has logged in to the management system.

6. (Previously Presented) The management system as claimed in claim 2, wherein the processing circuitry is further configured to:

transmit the second name information associated with the meeting information to the transmission terminal, in order to display information on participants of a meeting corresponding to the meeting information on the transmission terminal that has logged in to the management system.

7. (Previously Presented) The management system as claimed in claim 6, wherein the second name information transmitted to the transmission terminal is name information associated with another transmission terminal in a state of participating in the meeting corresponding to the meeting information.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 245 of 270

8. (Previously Presented) The management system as claimed in claim 2, wherein the processing circuitry is further configured to:

receive reservation request information indicating a request for reserving a meeting from the transmission terminal that has logged in to the management system, and

store, in the one or more memories, meeting information included in the reservation request information.

9. (Previously Presented) The management system as claimed in claim 2, wherein the processing circuitry is further configured to:

transmit the second name information associated with a meeting corresponding to meeting information selected on the transmission terminal.

10. (Previously Presented) The management system as claimed in claim 9, wherein the processing circuitry is further configured to:

transmit, in a case where the second name information associated with the meeting corresponding to the selected meeting information is not stored, the first name information associated with the identification information, to the transmission terminal on which the meeting information was selected.

11. (Previously Presented) The management system as claimed in claim 2, wherein the meeting information includes at least a meeting name, start date/time, and end date/time.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 246 of 270

12. (Previously Presented) The management system as claimed in claim 2, wherein the management system includes one or more computer.

13. (Currently Amended) A method, comprising:

reading, from one or more memories, first name information which indicates a name associated with identification information to be used upon logging in to a management system;

transmitting the read first name information to a transmission terminal that has logged in to a management system based on the identification information;

receiving, from the transmission terminal, second name information which is different from the first name information, is updated name information of the first name information, and is a name displayed in a meeting held based on meeting information relating to a scheduled meeting, the meeting information being stored in the one or more memories; and

storing, in the one or more memories, the second name information in association with the meeting information.

14. (Previously Presented) The method as claimed in claim 13, wherein the first name information or the second name information is information based on the transmission terminal or information based on a user of the transmission terminal.

15. (Previously Presented) The method as claimed in claim 13, wherein the first name information stored in the one or more memories is information based on a request for registering name information from the transmission terminal.

16. (Previously Presented) The method as claimed in claim 13, further comprising:

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 247 of 270

transmitting the first name information to the transmission terminal, in order to display a destination list including the first name information on the transmission terminal that has logged in to the management system.

17. (Previously Presented) The method as claimed in claim 13, further comprising:

transmitting the second name information associated with the meeting information to the transmission terminal, in order to display information on participants of a meeting corresponding to the meeting information on the transmission terminal that has logged in to the management system.

18. (Previously Presented) The method as claimed in claim 17, wherein the second name information transmitted to the transmission terminal is name information associated with another transmission terminal in a state of participating in the meeting corresponding to the meeting information.

19. (Previously Presented) The method as claimed in claim 13, further comprising:

receiving reservation request information indicating a request for reserving a meeting from the transmission terminal that has logged in to the management system, and

storing, in the one or more memories, meeting information included in the reservation request information.

20. (Previously Presented) The method as claimed in claim 13, further comprising:

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 248 of 270

transmitting the second name information associated with a meeting corresponding to meeting information selected on the transmission terminal.

21. (Previously Presented) The method as claimed in claim 20, further comprising:

transmitting, in a case where the second name information associated with the meeting corresponding to the selected meeting information is not stored, the first name information associated with the identification information, to the transmission terminal on which the meeting information was selected.

22. (Previously Presented) The method as claimed in claim 13, wherein the meeting information includes at least a meeting name, start date/time, and end date/time.

23. (Previously Presented) The method as claimed in claim 13, wherein the management system includes one or more computer.

24. (Previously Presented) A system, comprising:

a transmission terminal; and

a management system, including

one or more memories to store:

identification information to be used upon logging in to the management system,

first name information which indicates a name associated with the identification information, and

meeting information relating to a scheduled meeting; and

processing circuitry configured to:

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 249 of 270

transmit the first name information to a transmission terminal that has logged in to the management system based on the identification information;

receive, from the transmission terminal, second name information which is different from the first name information and is updated name information of the first name information, the second name information being a name displayed in a meeting held based on the meeting information; and

store, in the one or more memories, the second name information in association with the meeting information.

25. (Previously Presented) The management system as claimed in claim 2, wherein:

the first name information is a name included in a destination list displayed on the transmission terminal, and the second name information is a name included in the information related to a meeting on which a predetermined date and time is set to be displayed on the transmission terminal.

26. (Previously Presented) The management system as claimed in claim 2, wherein:

the meeting information includes at least the identification information as one or more participants of the scheduled meeting.

27. (Currently Amended) The management system as claimed in claim 2, wherein:

the processing circuitry receives the second name information before the scheduled meeting is started.

28. (Previously Presented) The management system as claimed in claim 2, wherein:

the updated name information of the first name information is name information that is to be displayed instead of displaying the first name information.

29. (Previously Presented) The method as claimed in claim 13, wherein:

the first name information is a name included in a destination list displayed on the transmission terminal, and the second name information is a name included in the information related to a meeting on which a predetermined date and time is set to be displayed on the transmission terminal.

30. (Previously Presented) The method as claimed in claim 13, wherein:

the meeting information includes at least the identification information as one or more participants of the scheduled meeting.

31. (Previously Presented) The method as claimed in claim 13, wherein:

the receiving of the second name information occurs before the scheduled meeting is started.

32. (Previously Presented) The method as claimed in claim 13, wherein:

the updated name information of the first name information is name information that is to be displayed instead of displaying the first name information.

33. (Previously Presented) The system as claimed in Claim 24, wherein:

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 251 of 270

the first name information is a name included in a destination list displayed on the transmission terminal, and the second name information is a name included in the information related to a meeting on which a predetermined date and time is set to be displayed on the transmission terminal.

34. (Previously Presented) The system as claimed in claim 24, wherein:

the meeting information includes at least the identification information as one or more participants of the scheduled meeting.

35. (Currently Amended) The system as claimed in claim 24, wherein:

the processing circuitry receives the second name information before the scheduled meeting is started.

36. (Previously Presented) The management system as claimed in claim 24 wherein:

the updated name information of the first name information is name information that is to be displayed instead of displaying the first name information.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 252 of 270

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

154930 7590 07/13/2022
XSENSUS LLP
100 Daingerfield Road
Suite 402
Alexandria, VA 22314

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/104,322	11/25/2020	Kaoru MAEDA	16416US04CON	5254

TITLE OF INVENTION: TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	10/13/2022

EXAMINER	ART UNIT	CLASS-SUBCLASS
DALENCOURT, YVES	2457	709-204000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 XSENSUS LLP
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE: RICOH COMPANY, LTD.

(B) RESIDENCE: (CITY and STATE OR COUNTRY): TOKYO, JAPAN

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ☑ Corporation or other private group entity ❑ Government

4a. Fees submitted: ☑ Issue Fee ❑ Publication Fee (if required) ❑ Advance Order - # of Copies _____

4b. Method of Payment: *(Please first reapply any previously paid fee shown above)*

☑ Electronic Payment via EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

☑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 602325

5. **Change in Entity Status** (from status indicated above)

❑ Applicant certifying micro entity status. See 37 CFR 1.29

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /James J Kulbaski/ Date October 6, 2022

Typed or printed name James J. Kulbaski Registration No. 34,648

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 253 of 270

DOCKET NO: 16416US04CON

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF	:
KAORU MAEDA	: EXAMINER: DALENCOURT, YVES
SERIAL NO: 17/104,322	:
FILED: NOVEMBER 25, 2020	: GROUP ART UNIT: 2457
FOR: TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM	:

COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

Commissioner:

Applicant acknowledges with appreciation the indication of allowability of the claimed invention. In response to the Examiner's Statement of Reasons for Allowance in the Notice of Allowance mailed July 13, 2022, Applicant respectfully submits the following comments.

The Examiner's Statement of Reasons for Allowance on page 2 of the Notice recites features of independent Claim 2. However, independent Claims 13 and 24 do not recite the same limitations of Claim 2 and therefore the Reasons for Allowance may not be applicable to independent Claims 13 and 24.

Accordingly, it is respectfully submitted the above quoted portion of the Comments does not apply to the independent claims (and claims depending therefrom), at least to the extend that the language used in the statement differs form the language of the claims.

Respectfully Submitted,

XSENSUS, L.L.P.

/James J Kulbaski/

James J. Kulbaski
Registration No. 34,648
Attorney of Record

CUSTOMER NO.
154930

Phone No. 571-376-6333
Fax: 571-376-6334

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 255 of 270

Electronic Acknowledgement Receipt	
EFS ID:	46768967
Application Number:	17104322
International Application Number:	
Confirmation Number:	5254
Title of Invention:	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM
First Named Inventor/Applicant Name:	Kaoru MAEDA
Customer Number:	154930
Filer:	James J. Kulbaski/Chi Park
Filer Authorized By:	James J. Kulbaski
Attorney Docket Number:	16416US04CON
Receipt Date:	06-OCT-2022
Filing Date:	25-NOV-2020
Time Stamp:	15:27:06
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$1200
RAM confirmation Number	E202206F27294875
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		16416US04CONIF312AMDCMT_signed.pdf	5515537 0d71b204302c0ac574d9fdf2f705ec8f2352fb00	yes	17

Multipart Description/PDF files in .zip description

Document Description	Start	End
Transmittal Letter	1	1
Miscellaneous Incoming Letter	2	2
Issue Fee Payment (PTO-85B)	3	3
Amendment after Notice of Allowance (Rule 312)	4	4
Claims	5	13
Applicant Arguments/Remarks Made in an Amendment	14	15
Miscellaneous Incoming Letter	16	17

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	37889 721e1e750a1cdc0bcaac52b0068a5a9000136678	no	2

Warnings:

Information:

Total Files Size (in bytes):	5553426

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

REMARKS/ARGUMENTS

Favorable reconsideration of this application is respectfully requested.

Claims 2-36 are pending in the present application; Claims 13, 27 and 35 having been amended by the present amendment. No new matter is added.

During a post-allowance review of the present application, Applicant's Attorney noticed a minor issue of a period being omitted from the end of Claims 27 and 35. This issue is corrected by adding a period to the end of Claims 27 and 35. Further, it was noticed that the word "information" was inadvertently omitted from Claim 13. This issue is corrected by adding the word "information" to Claim 13.

(A) The present Amendment is needed to correct this minor issues.

(B) No additional search or examination is required as the change only changes made are minor.

(C) The claims are patentable for the same reasons they were previously patentable.

(D) The amendment was not presented earlier as the need for this particular amendment was not realized until the post-allowance review was performed.

Accordingly, entry of the amendment is respectfully requested.

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 259 of 270

Should the Examiner deem that any further action is necessary to place this application in form for allowance, the Examiner is encouraged to contact the undersigned representative at the below listed telephone number.

Respectfully Submitted,

XSENSUS, L.L.P.

/James J Kulbaski/

James J. Kulbaski
Attorney of Record
Registration No. 34,648
Phone No. (571) 376-6313

Customer No. 154930
Xsensus LLP
100 Daingerfield Rd, Suite 402
Alexandria, VA 22314

IPR2026-00470
Zoom Communication, Inc. Ex. 1002
Page 260 of 270

Doc Code: TRAN.LET

Document Description: Transmittal Letter

PTO/SB/21 (07-09)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission	17

Application Number	17/104,322
Filing Date	25 Nov 2020
First Named Inventor	KAORU MAEDA
Art Unit	2457 Confirmation No. 5254
Examiner Name	DALENCOURT, YVES
Attorney Docket Number	16416US04CON

ENCLOSURES *(Check all that apply)*

- [x] Fee Transmittal Form
  - [x] Fee Attached
- [ ] Amendment/Reply
  - [ ] After Final
  - [ ] Affidavits/declaration(s)
- [ ] Extension of Time Request
- [ ] Express Abandonment Request
- [ ] Information Disclosure Statement
- [ ] Certified Copy of Priority Document(s)
- [ ] Reply to Missing Parts/ Incomplete Application
  - [ ] Reply to Missing Parts under 37 CFR 1.52 or 1.53
- [ ] Drawing(s)
- [ ] Licensing-related Papers
- [ ] Petition
- [ ] Petition to Convert to a Provisional Application
- [ ] Power of Attorney, Revocation Change of Correspondence Address
- [ ] Terminal Disclaimer
- [ ] Request for Refund
- [ ] CD, Number of CD(s) _____
  - [ ] Landscape Table on CD
- [ ] After Allowance Communication to TC
- [ ] Appeal Communication to Board of Appeals and Interferences
- [ ] Appeal Communication to TC **(Appeal Notice, Brief, Reply Brief)**
- [ ] Proprietary Information
- [ ] Status Letter
- [x] Other Enclosure(s) (please Identify below):

Issue Fee Transmittal; Amendment after Allowance under 37 C.F.R. § 1.312; Comments on Statement of Reasons for Allowance

Remarks

The Commissioner is hereby authorized to charge any additional fees that may be required for papers being filed herewith and for which no payment is enclosed herewith, or credit any overpayment to Deposit Account 602325.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	XSENSUS, LLP Customer Number 154930		
Signature	/James J Kulbaski/		
Printed name	James J. Kulbaski		
Date	2022-10-6	Reg. No.	34,648

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT & TRADEMARK OFFICE
FEE TRANSMITTAL

Application Number	17/104,322
Filing Date	25 Nov 2020
First Named Inventor	KAORU MAEDA
Art Unit	2457
Examiner Name	DALENCOURT, YVES
Attorney Docket Number	16416US04CON

☐ No additional fee is required ☐ Small entity status is claimed

	Claims Remaining After Amendment		Highest Number of Claims Previously Paid For	Current Extra Claims	Rate	Additional Fee
Total Claims	35	-	35	= 0	x $ 100.00 =	$
Independent Claims	3	-	3	= 0	x $ 480.00 =	$
APPLICATION SIZE FEE (37 CFR 1.16(s))					$	$
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					N/A	$
					TOTAL	$ 0.00

EXTENSION OF TIME	$
REQUEST FOR RECONSIDERATION (RCE)	$
NOTICE OF APPEAL	$
TERMINAL DISCLAIMER	$
ISSUE FEE	$ 1,200.00
	$
TOTAL	$ 1,200.00

The Commissioner is hereby authorized to charge any additional fees that may be required for papers being filed herewith and for which no payment is enclosed herewith, or credit any overpayment to Deposit Account **602325**

XSENSUS, LLP
Customer Number:
154930

Electronic Patent Application Fee Transmittal

Application Number:	17104322
Filing Date:	25-Nov-2020
Title of Invention:	TRANSMISSION MANAGEMENT SYSTEM, TRANSMISSION SYSTEM, AND RECORDING MEDIUM
First Named Inventor/Applicant Name:	Kaoru MAEDA
Filer:	James J. Kulbaski/Chi Park
Attorney Docket Number:	16416US04CON

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	1501	1	1200	1200

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**1200**

UNITED STATES PATENT AND TRADEMARK OFFICE

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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/104,322	11/25/2020	Kaoru MAEDA	16416US04CON	5254

154930 7590 10/19/2022

XSENSUS LLP
100 Daingerfield Road
Suite 402
Alexandria, VA 22314

EXAMINER	
DALENCOURT, YVES	

ART UNIT	PAPER NUMBER
2457	

NOTIFICATION DATE	DELIVERY MODE
10/19/2022	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

Faith.Baggett@xsensus.com
Sandy.Miles@Xsensus.com
anaquadocketing@Xsensus.com

Corrected ***Notice of Allowability***	**Application No.** 17/104,322	**Applicant(s)** MAEDA et al.	
	Examiner YVES DALENCOURT	**Art Unit** 2457	**AIA (FITF) Status** No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to amendments filed on 06/09/2022 and 10/06/2022.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☑ The allowed claim(s) is/are 2-36 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

4. ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☑ All b) ☐ Some* c) ☐ None of the:

   1. ☐ Certified copies of the priority documents have been received.
   2. ☑ Certified copies of the priority documents have been received in Application No. 15/290,917 .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☑ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/YVES DALENCOURT/
Primary Examiner, Art Unit 2457

DETAILED ACTION

This office action is responsive to request for continued examination (RCE) filed on 06/09/2022.

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 06/09/2022 has been entered.

Terminal Disclaimer

The terminal disclaimer filed on 07/01/2021 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of **9,661,057** has been reviewed and is accepted. The terminal disclaimer has been recorded.

Allowable Subject Matter

Claims 2 – 36 are allowed.

The following is an examiner's statement of reasons for allowance: As specifically claimed, the art or record fail to teach, among other limitations and in combination:

A management system, comprising a processing circuitry configured to:

receive, from the transmission terminal, second name information which is different from the first name information and is updated name information of the first name information, the second name information being a name displayed in a meeting held based on the meeting information; and

store, in the one or more memories, the second name information in association with the meeting information. (**claim 2**).

A method, comprising:

receiving, from the transmission terminal, second name information which is different from the first name information, is updated name information of the first name information, and is a name displayed in a meeting held based on meeting information relating to a scheduled meeting, the meeting information being stored in the one or more memories; and

storing, in the one or more memories, the second name information in association with the meeting information. (**claim 13**).

A system, comprising a processing circuitry configured to:

receive, from the transmission terminal, second name information which is different from the first name information and is updated name information of the first name information, the second name information being a name displayed in a meeting held based on the meeting information; and

store, in the one or more memories, the second name information in association with the meeting information.(**claim 24**).

None of the prior art teaches the claimed limitations.

Reasons for Allowance

This communication warrants no Examiner's reason for allowance, as Applicant's amendment makes evident the reason for allowance, satisfying the record as whole as required by rule 37 CFR 1.104 (e). In this case, the substance of applicant's remarks with respect to the claims filed on 06/09/2022 point out the reason claims are patentable over the prior art of record. Thus, the reason for allowance is in all probability evident from the record and no statement for examiner's reason for allowance is necessary (see MPEP 13202.14).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YVES DALENCOURT whose telephone number is (571)272-3998. The examiner can normally be reached M-F 8AM-5:30PM.

Examiner interviews are available via telephone, in-person, and video conferencing u4322sing a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: https://patentcenter.uspto.gov. Visit https://www.uspto.gov/patents/apply/patent-center for more information about Patent Center and https://www.uspto.gov/patents/docx for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/YVES DALENCOURT/

Primary Examiner, Art Unit 2457

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/104,322	11/29/2022	11516278	16416US04CON	5254

154930 7590 11/09/2022

XSENSUS LLP
100 Daingerfield Road
Suite 402
Alexandria, VA 22314

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

INVENTOR(s) (Please see PAIR WEB site http://pair.uspto.gov for additional inventors):

Kaoru MAEDA, Kanagawa, JAPAN;
Takahiro Asai, Kanagawa, JAPAN;

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

Ricoh Company, Ltd., Tokyo, JAPAN;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.