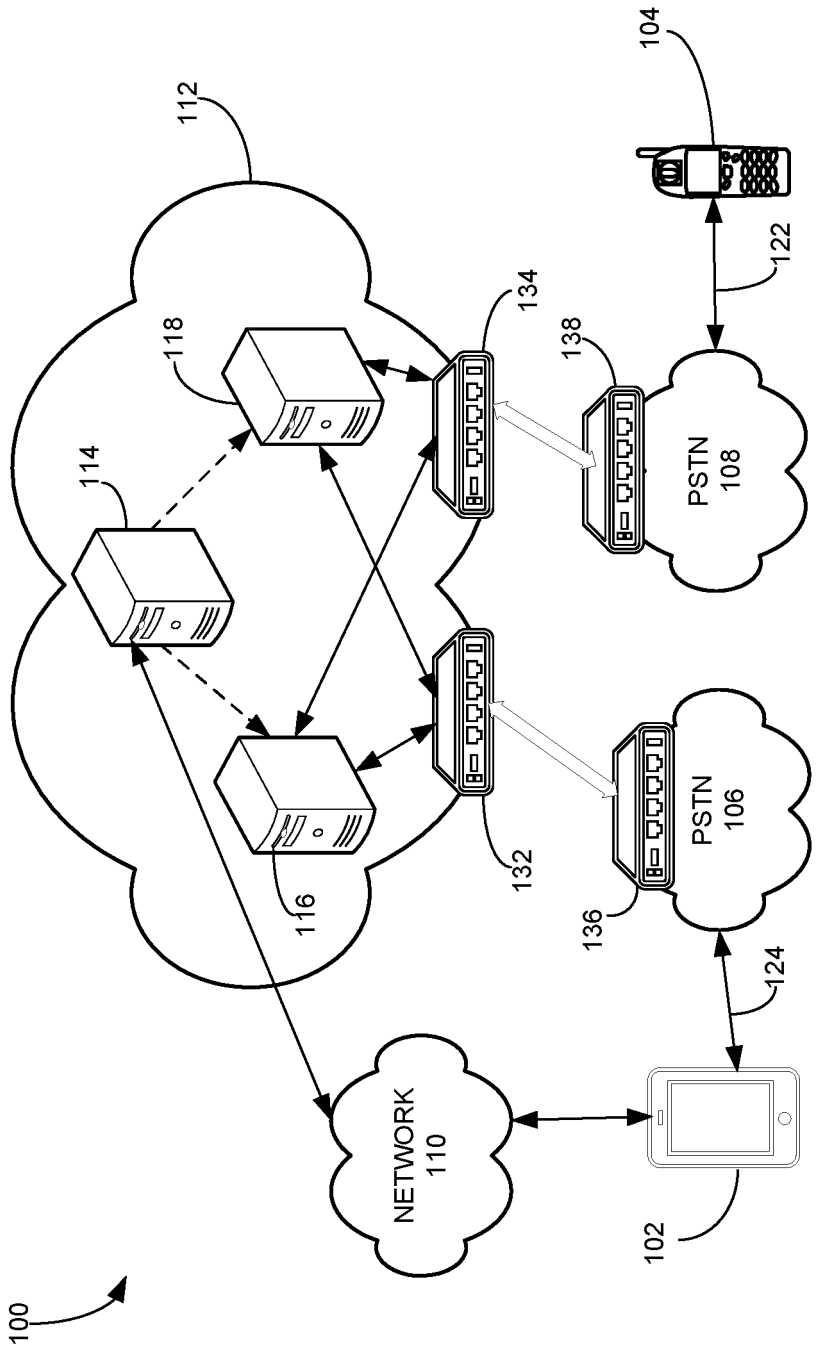
100
102
104
112
114
116
118
122
124
132
134
136
138
NETWORK
110
PSTN
106
PSTN
108

FIG. 1

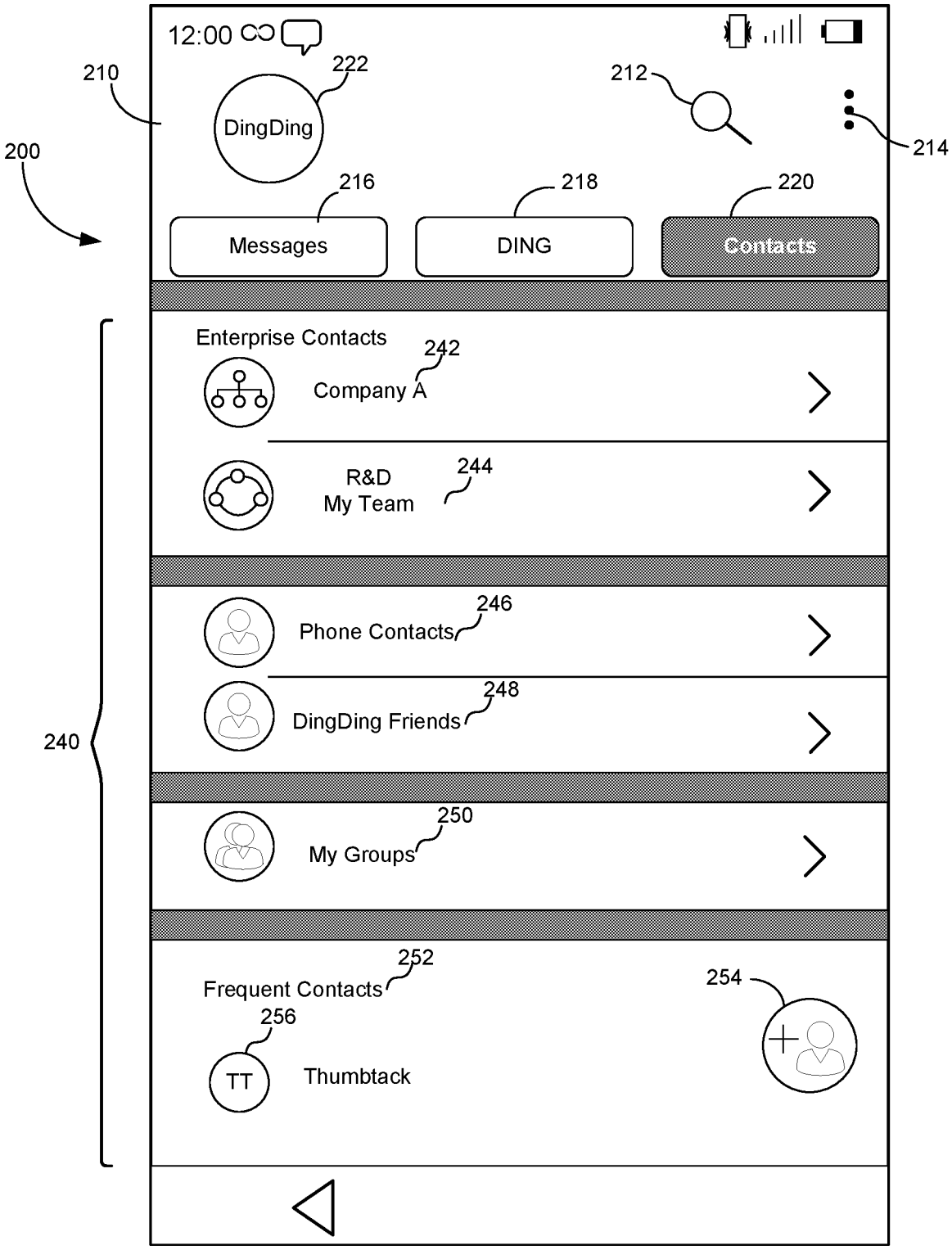
12:00
210
222
DingDing
212
214
200
216
218
220
Messages
DING
Contacts
Enterprise Contacts
242
Company A
R&D
My Team
244
246
Phone Contacts
248
DingDing Friends
240
250
My Groups
252
Frequent Contacts
254
256
TT
Thumbtack

FIG. 2

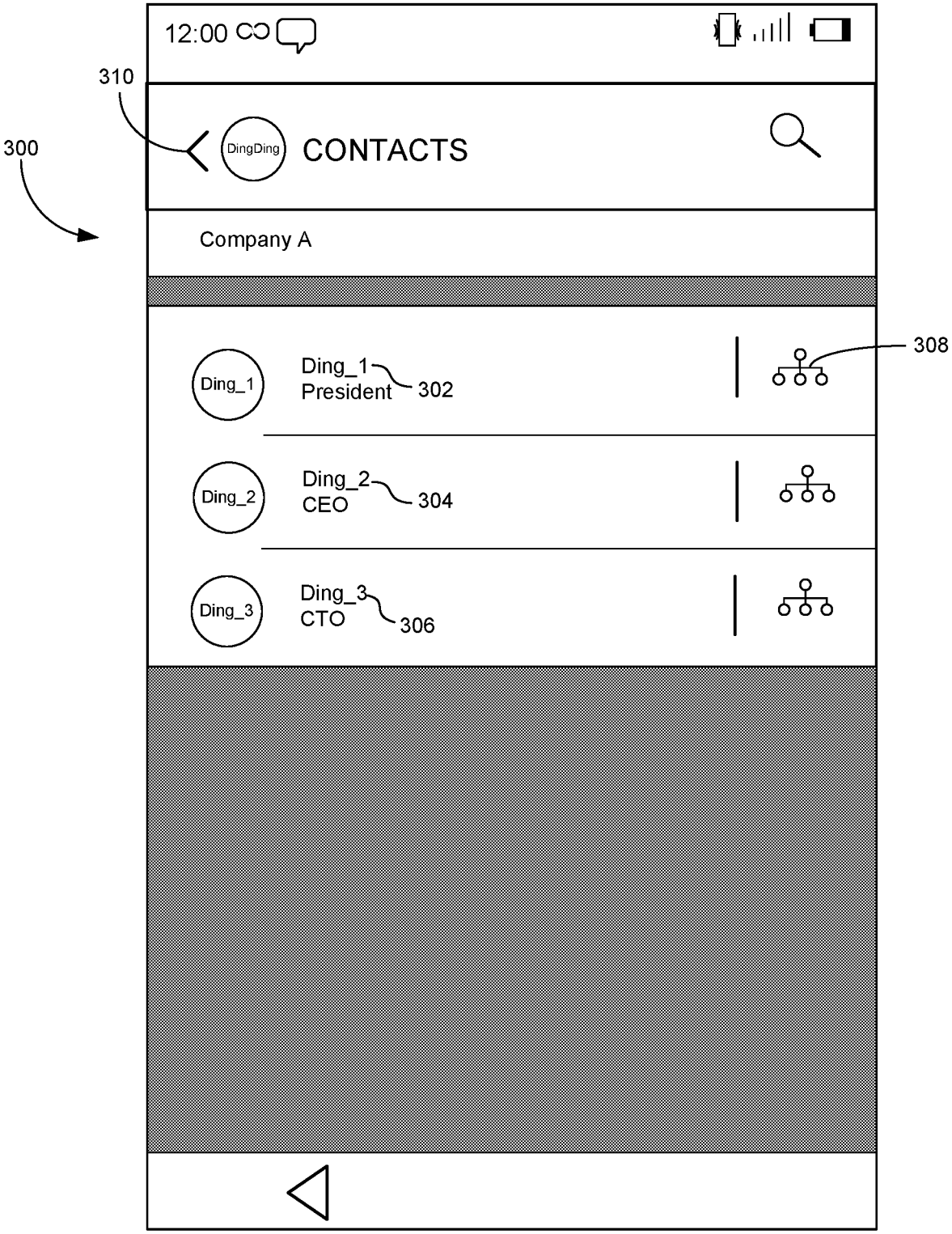
12:00
310
300
DingDing
CONTACTS
Company A
Ding_1
Ding_1
President
302
308
Ding_2
Ding_2
CEO
304
Ding_3
Ding_3
CTO
306

FIG. 3

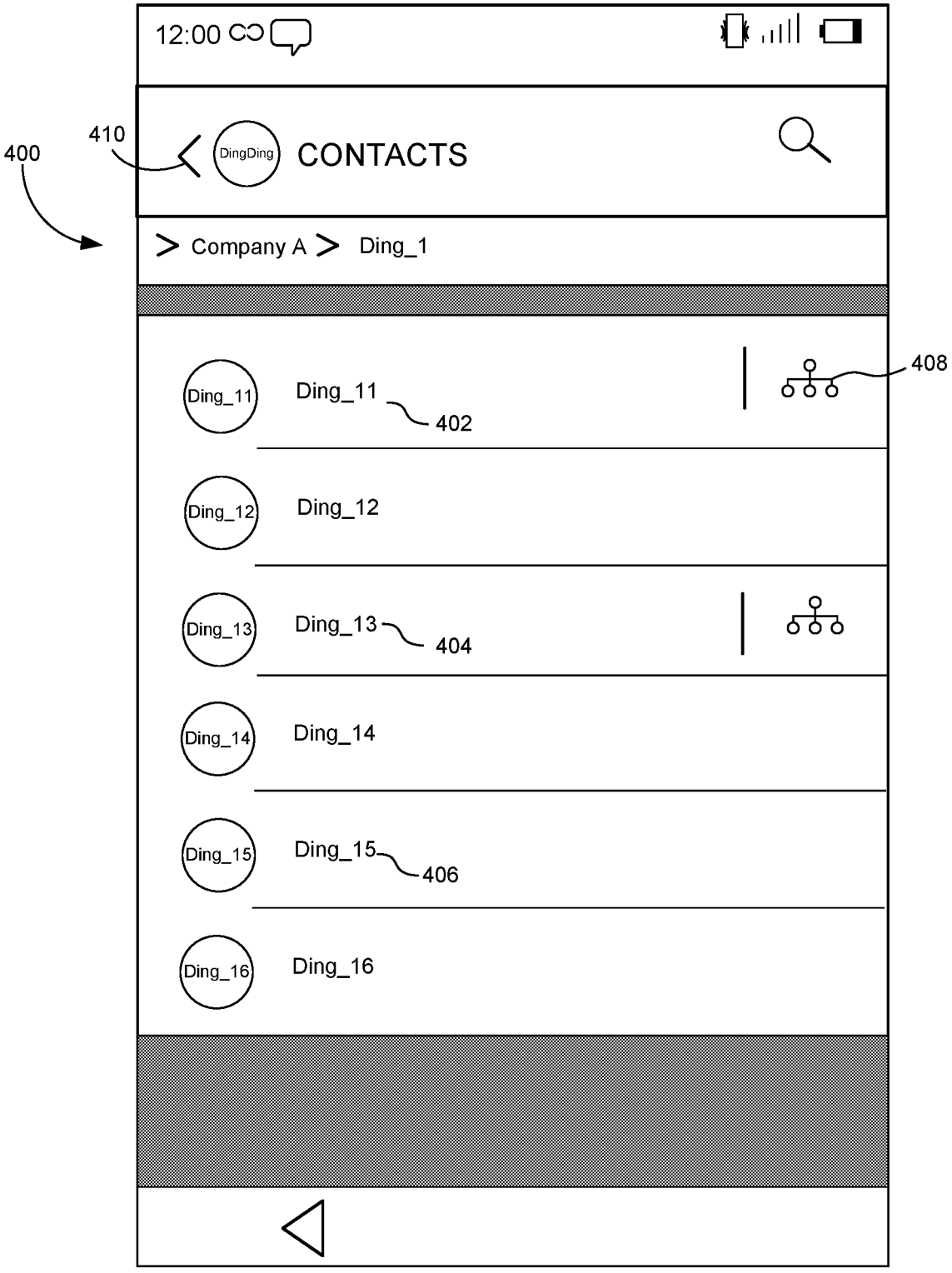
12:00
400
410
DingDing
CONTACTS
Company A
Ding_1
Ding_11
Ding_11
402
408
Ding_12
Ding_12
Ding_13
Ding_13
404
Ding_14
Ding_14
Ding_15
Ding_15
406
Ding_16
Ding_16

FIG. 4

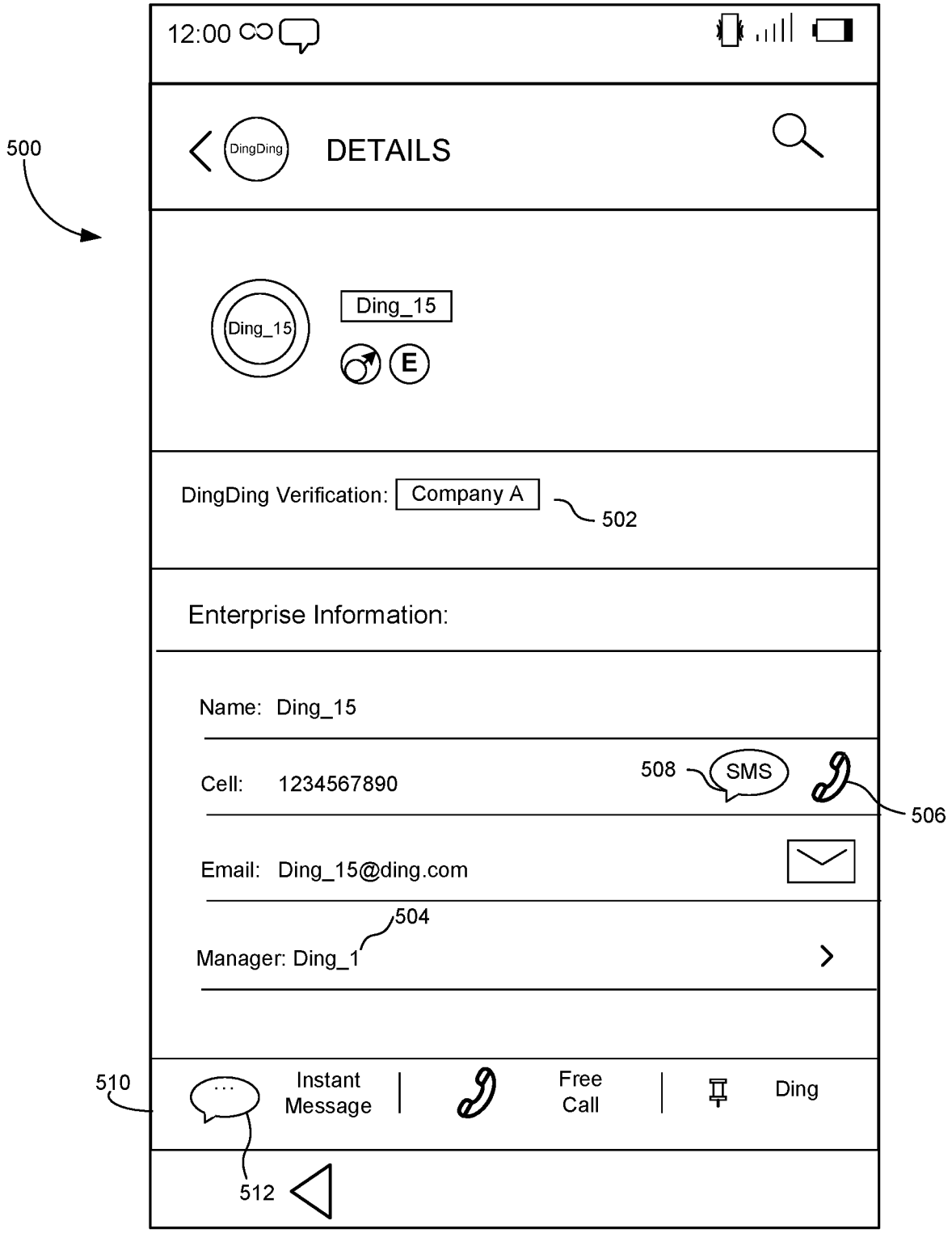
12:00
500
DingDing
DETAILS
Ding_15
Ding_15
E
DingDing Verification:
Company A
502
Enterprise Information:
Name: Ding_15
Cell: 1234567890
508
SMS
506
Email: Ding_15@ding.com
504
Manager: Ding_1
510
Instant Message
Free Call
Ding
512

FIG. 5

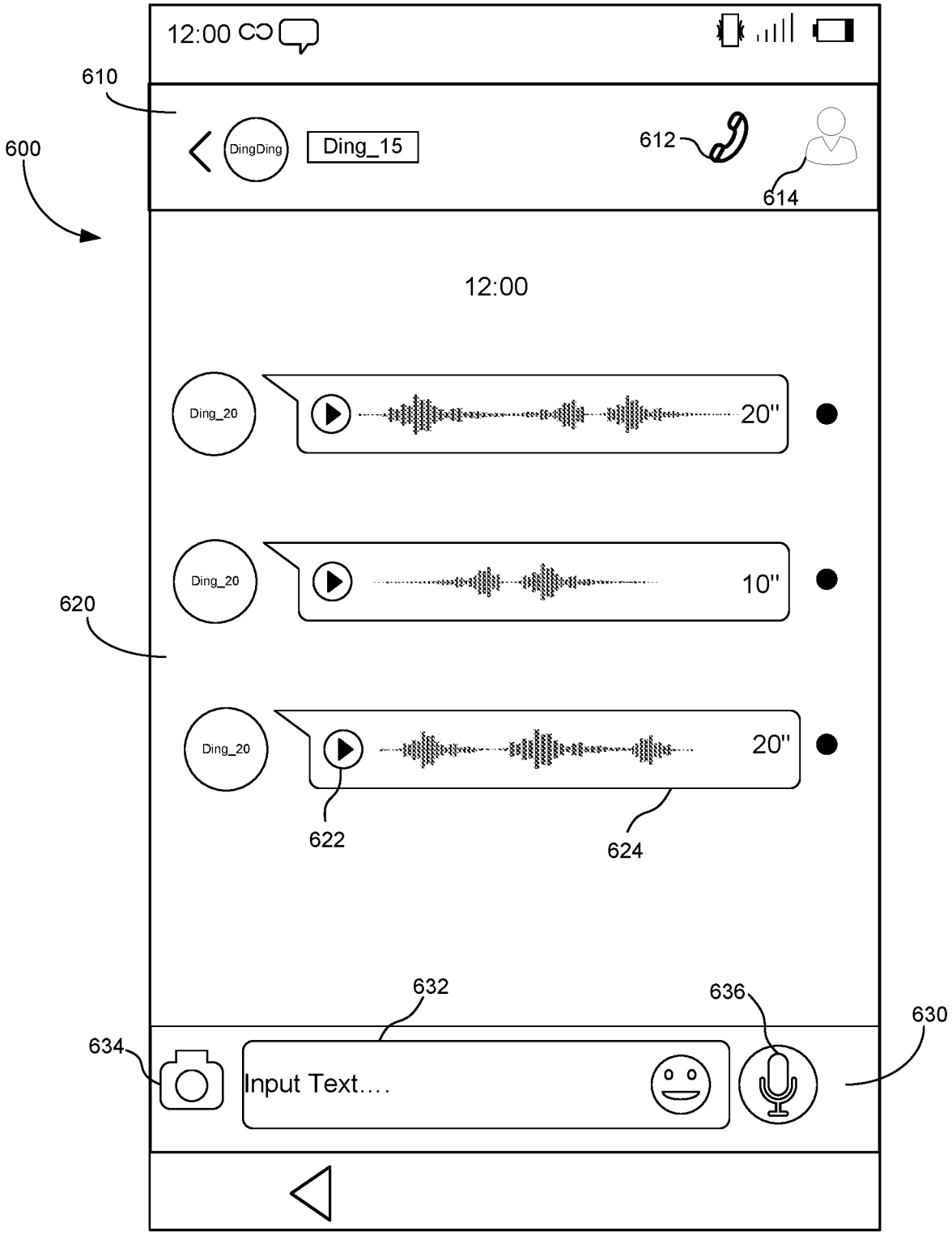
12:00
610
600
DingDing
Ding_15
612
614
12:00
Ding_20
20"
Ding_20
10"
620
Ding_20
20"
622
624
632
636
630
634
Input Text....

FIG. 6

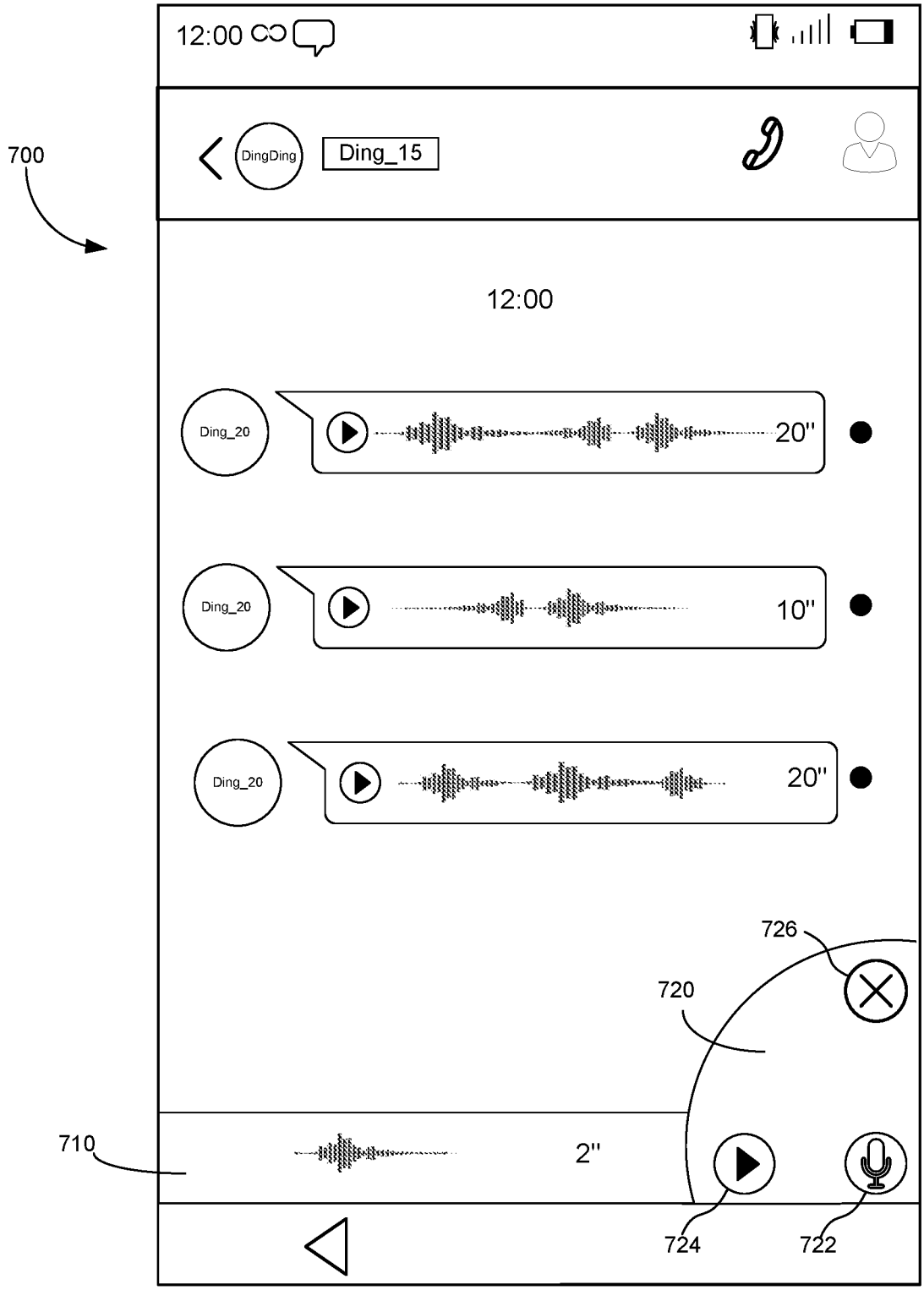
700
12:00
DingDing
Ding_15
12:00
Ding_20
20"
Ding_20
10"
Ding_20
20"
726
720
710
2"
724
722

FIG. 7

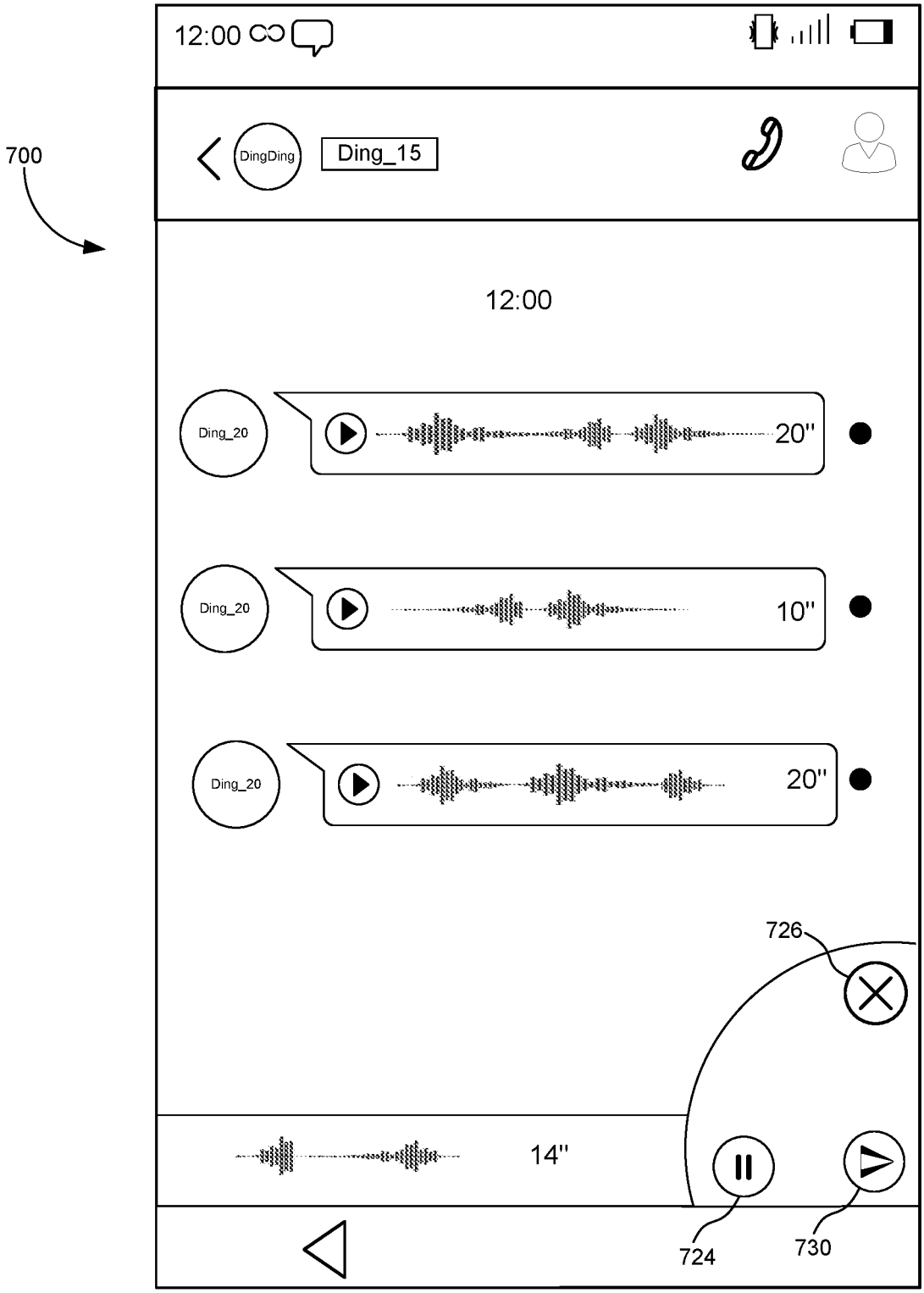
700
12:00
DingDing
Ding_15
12:00
Ding_20
20"
Ding_20
10"
Ding_20
20"
726
14"
724
730

FIG. 8

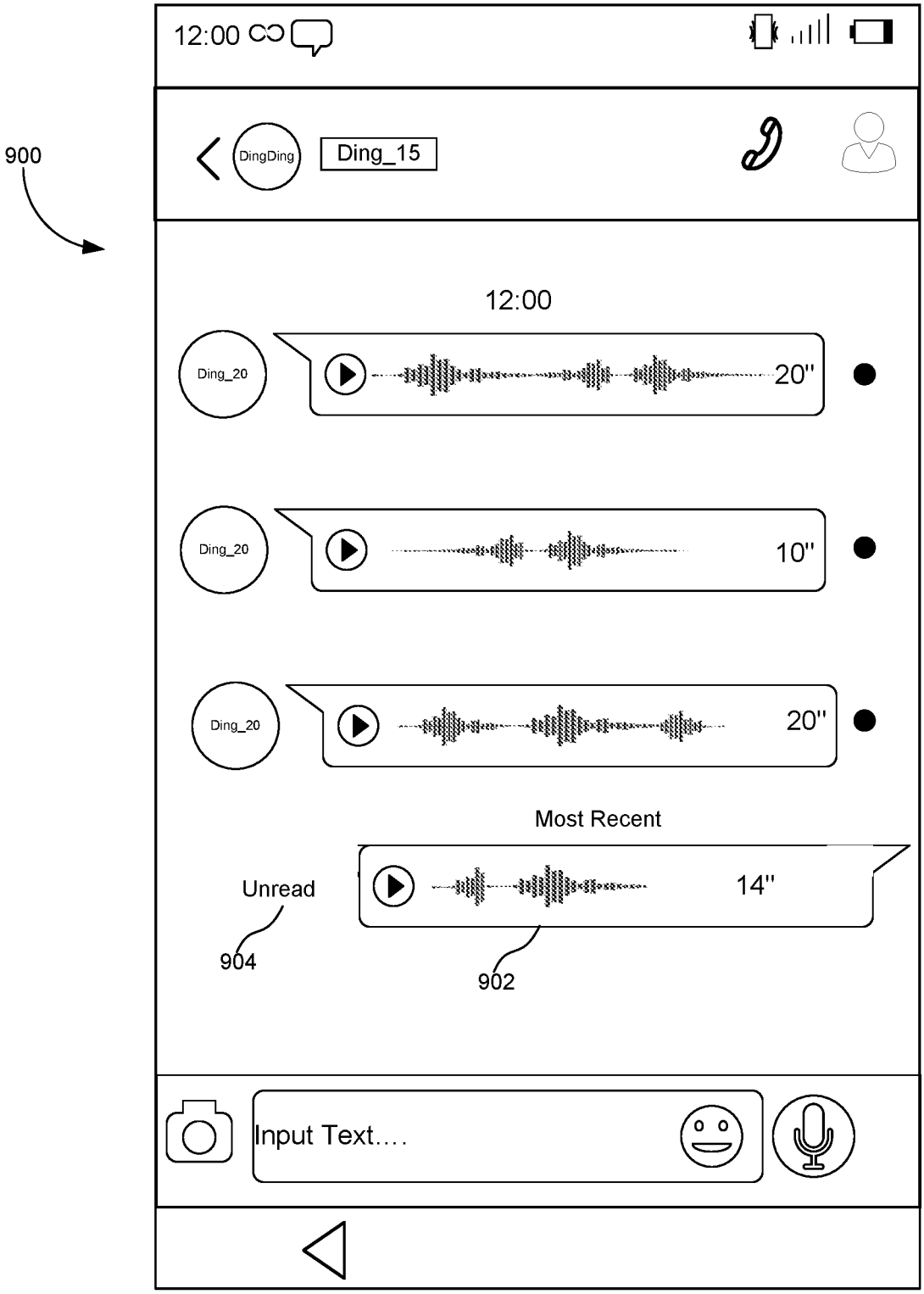
900
12:00
DingDing
Ding_15
12:00
Ding_20
20"
Ding_20
10"
Ding_20
20"
Most Recent
Unread
14"
904
902
Input Text....

FIG. 9

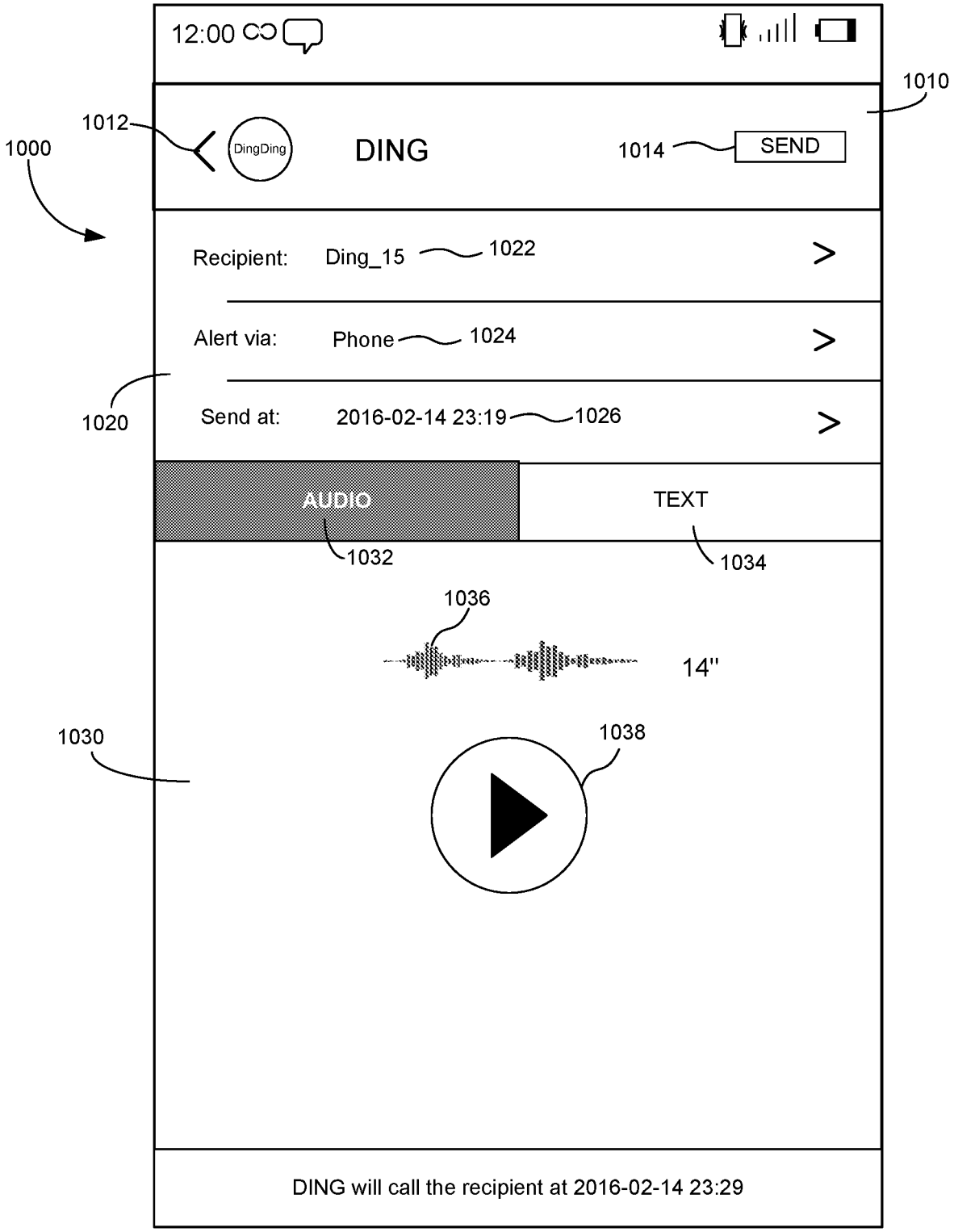
12:00
1010
1012
1000
DingDing
DING
1014
SEND
Recipient:
Ding_15
1022
Alert via:
Phone
1024
1020
Send at:
2016-02-14 23:19
1026
AUDIO
TEXT
1032
1034
1036
14"
1030
1038
DING will call the recipient at 2016-02-14 23:29

FIG. 10

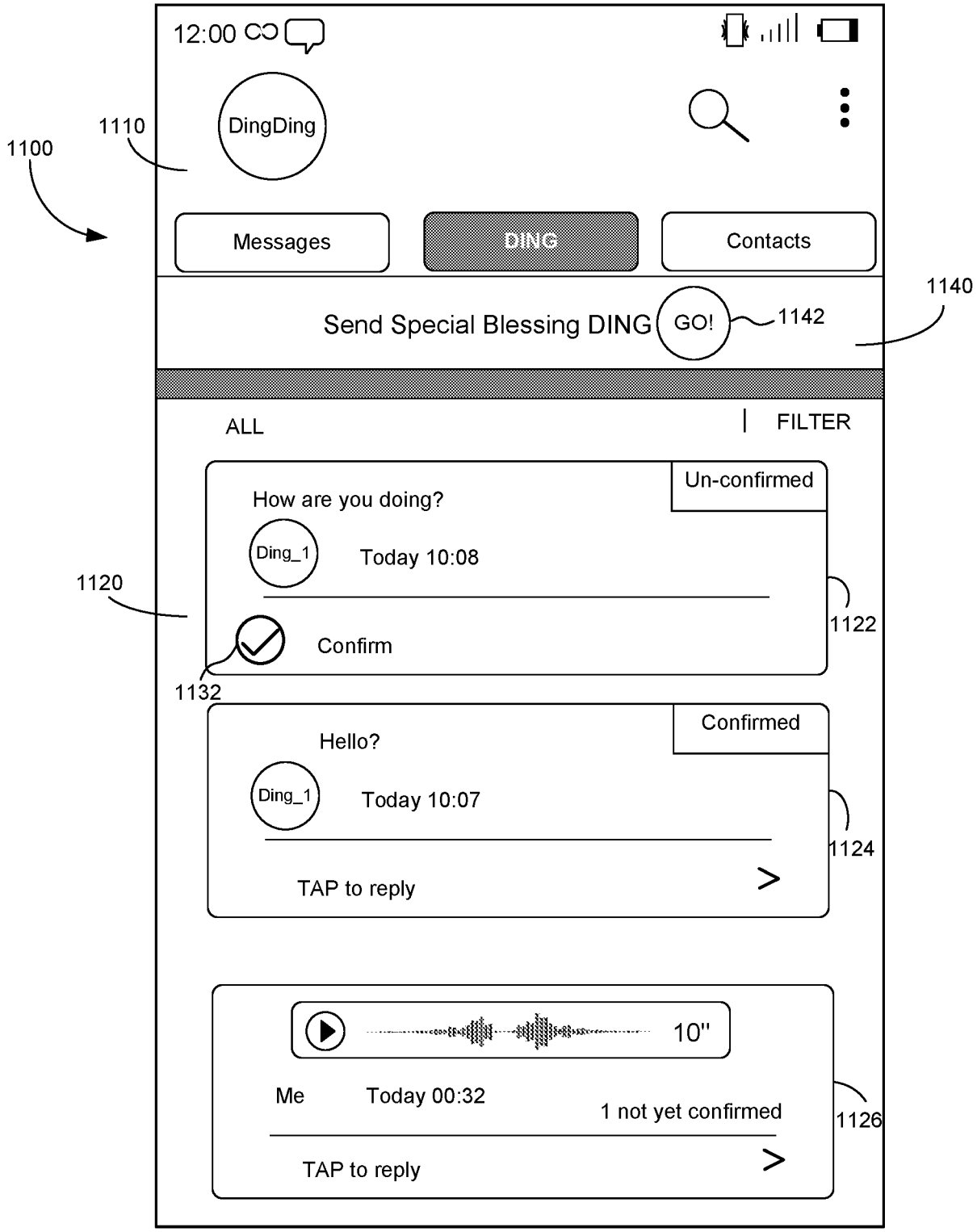
12:00
DingDing
1110
1100
Messages
DING
Contacts
1140
Send Special Blessing DING
GO!
1142
ALL
FILTER
Un-confirmed
How are you doing?
Ding_1
Today 10:08
1120
1122
Confirm
1132
Confirmed
Hello?
Ding_1
Today 10:07
1124
TAP to reply
10"
Me
Today 00:32
1 not yet confirmed
1126
TAP to reply

FIG. 11

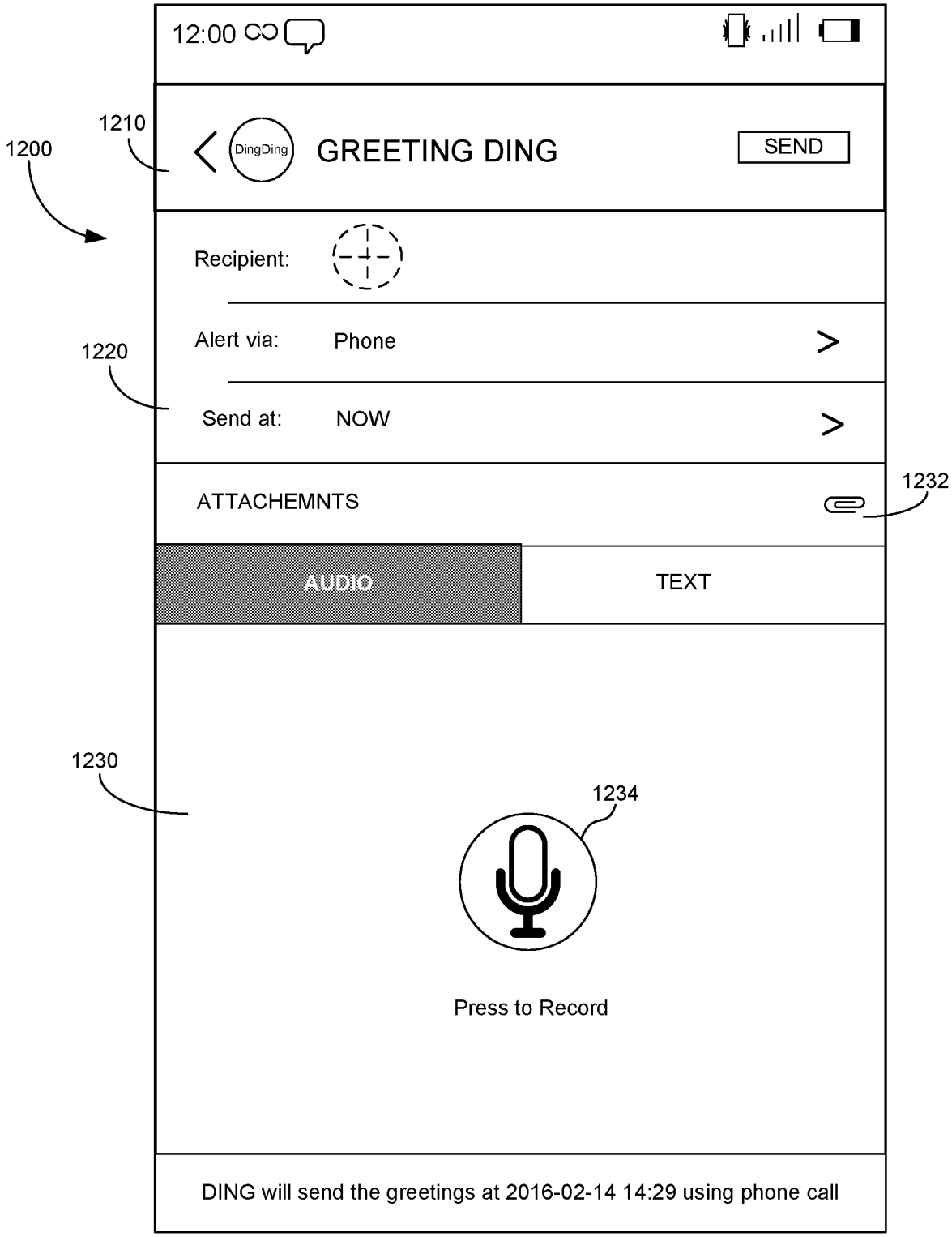
12:00
1200
1210
DingDing
GREETING DING
SEND
Recipient:
1220
Alert via:
Phone
Send at:
NOW
ATTACHEMNTS
1232
AUDIO
TEXT
1230
1234
Press to Record
DING will send the greetings at 2016-02-14 14:29 using phone call

FIG. 12

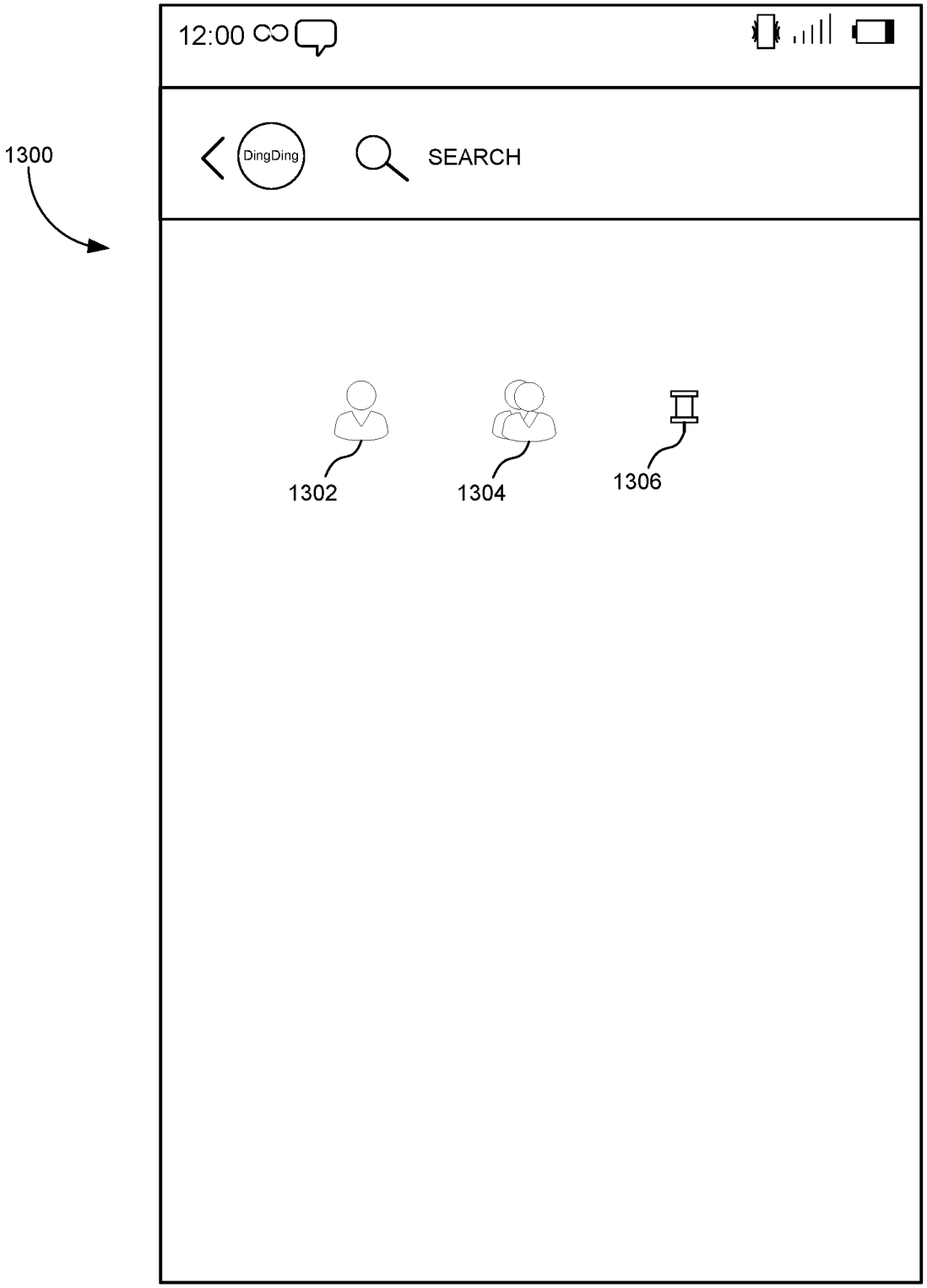

FIG. 13

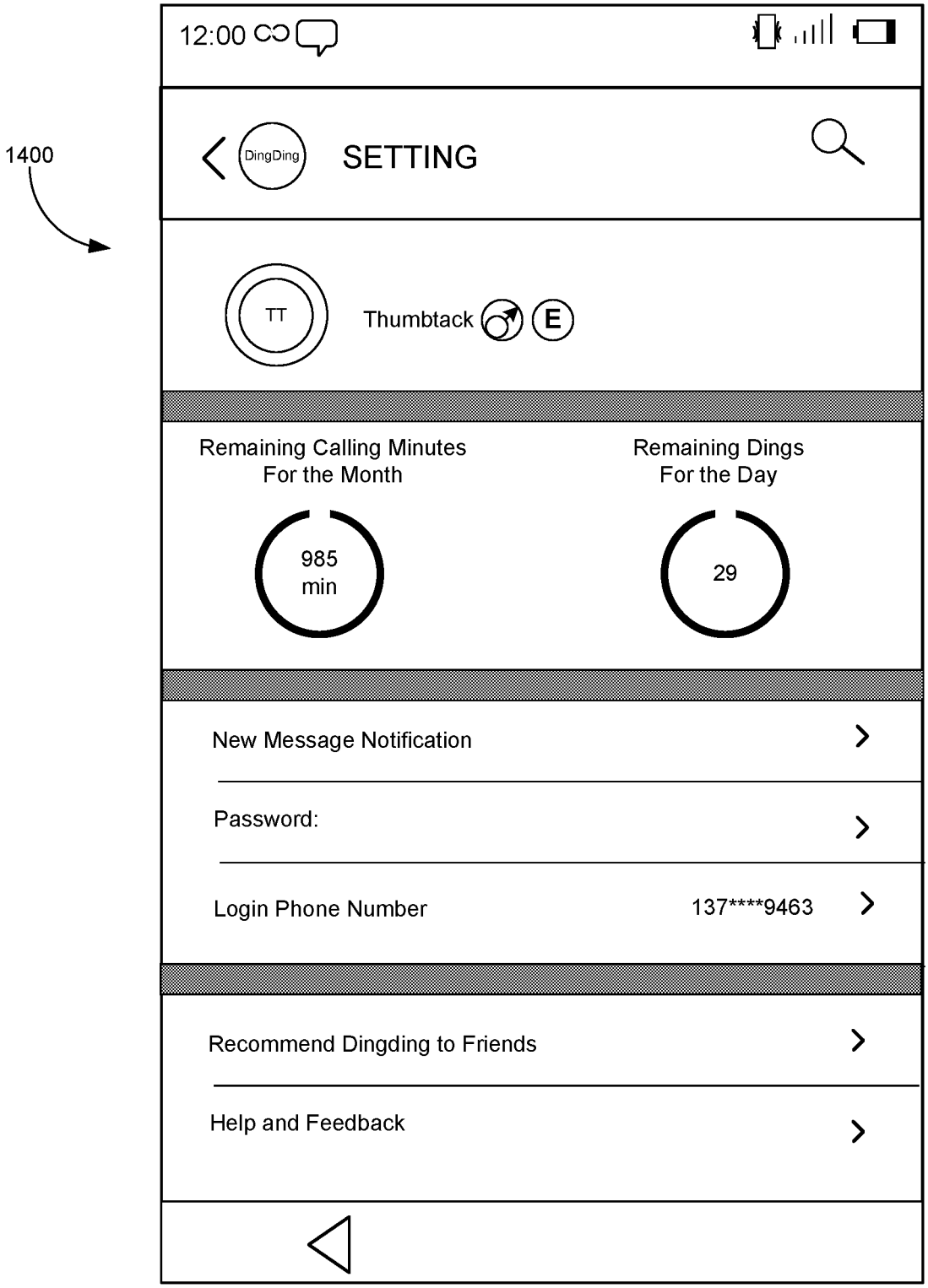
1400
12:00
DingDing
SETTING
TT
Thumbtack
E
Remaining Calling Minutes For the Month
985 min
Remaining Dings For the Day
29
New Message Notification
Password:
Login Phone Number
137****9463
Recommend Dingding to Friends
Help and Feedback

FIG. 14

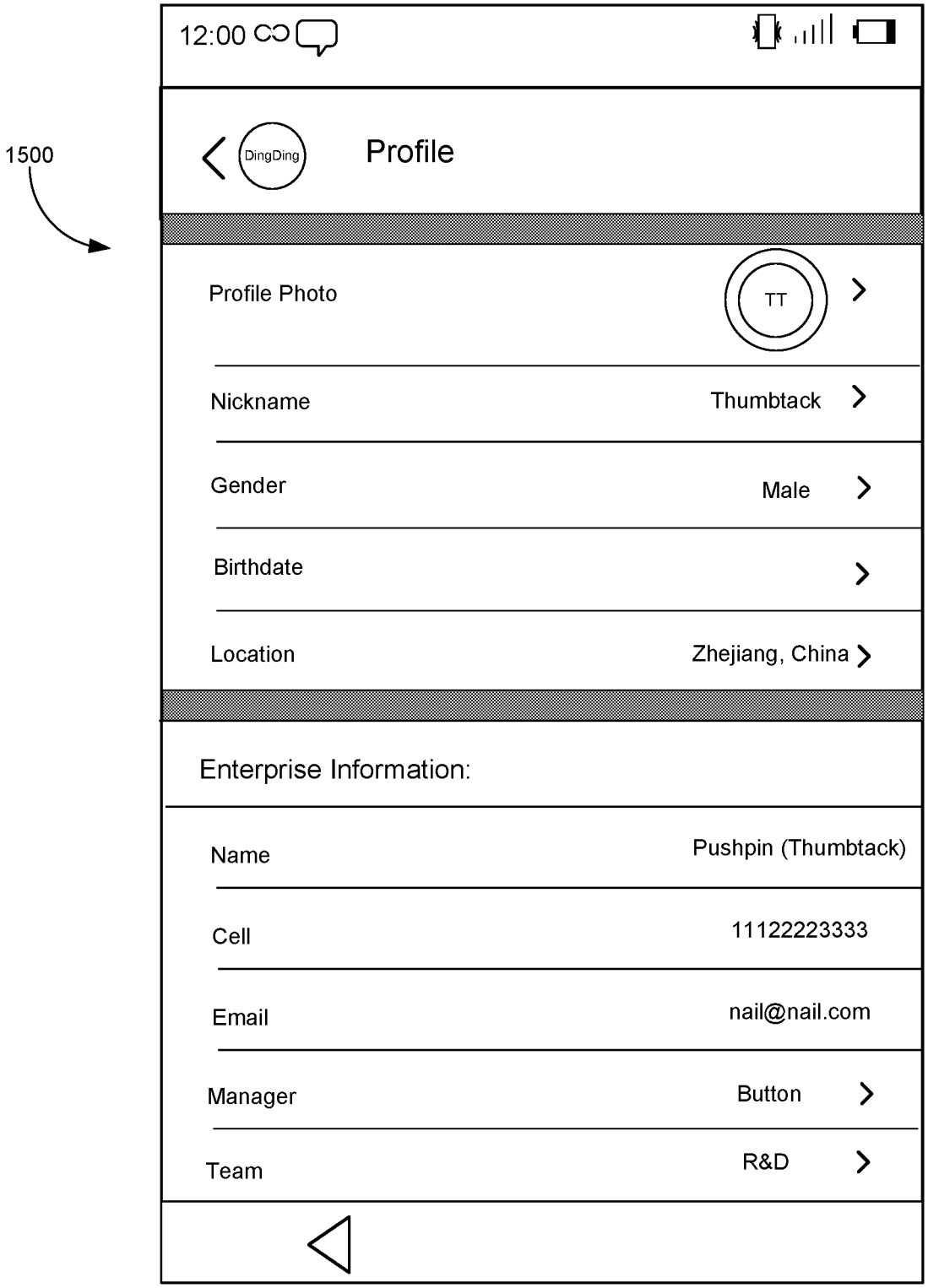
1500
12:00
DingDing
Profile
Profile Photo
TT
Nickname
Thumbtack
Gender
Male
Birthdate
Location
Zhejiang, China
Enterprise Information:
Name
Pushpin (Thumbtack)
Cell
11122223333
Email
nail@nail.com
Manager
Button
Team
R&D

FIG. 15

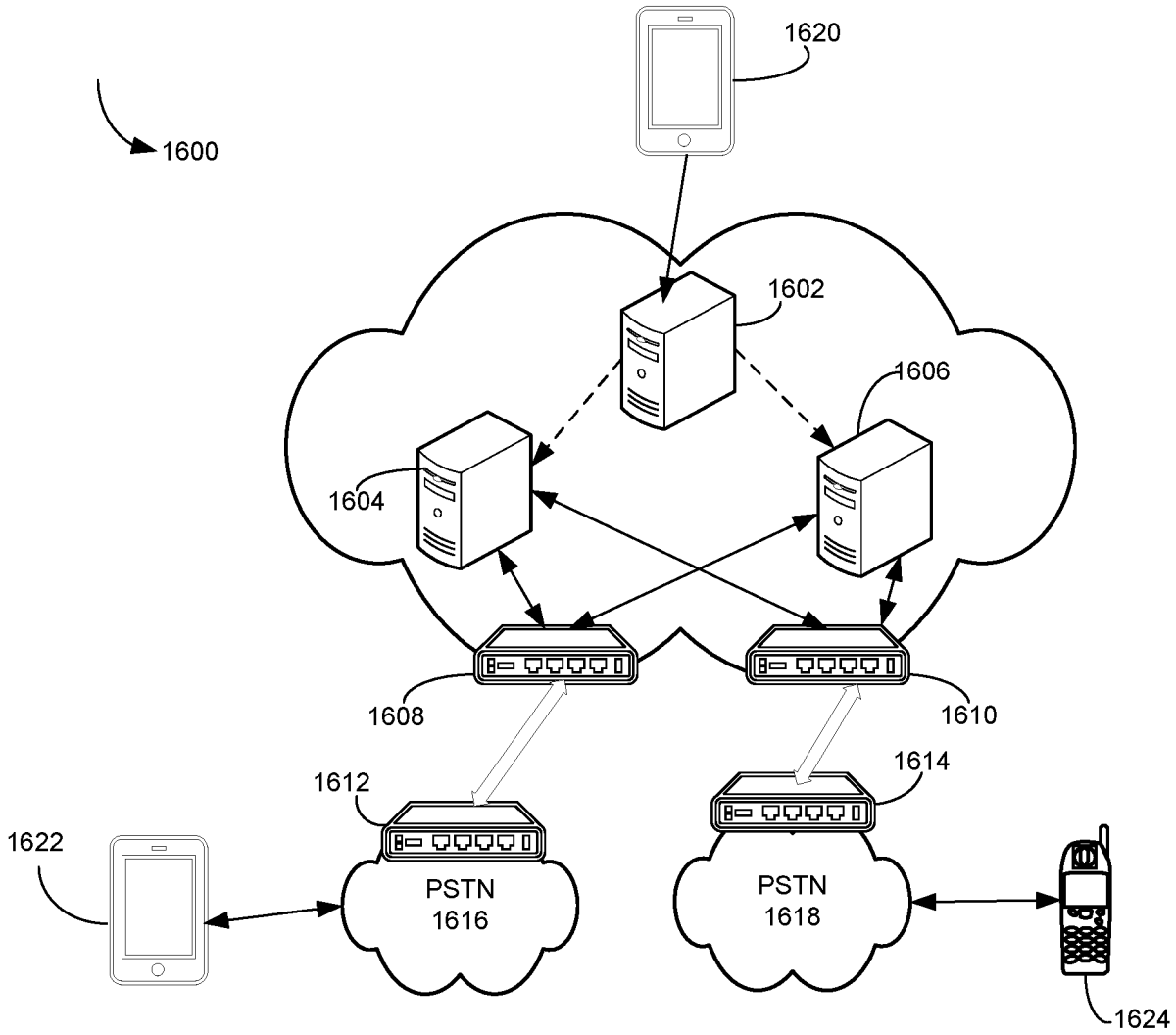
1600
1620
1602
1606
1604
1608
1610
1612
1614
1622
PSTN
1616
PSTN
1618
1624

FIG. 16

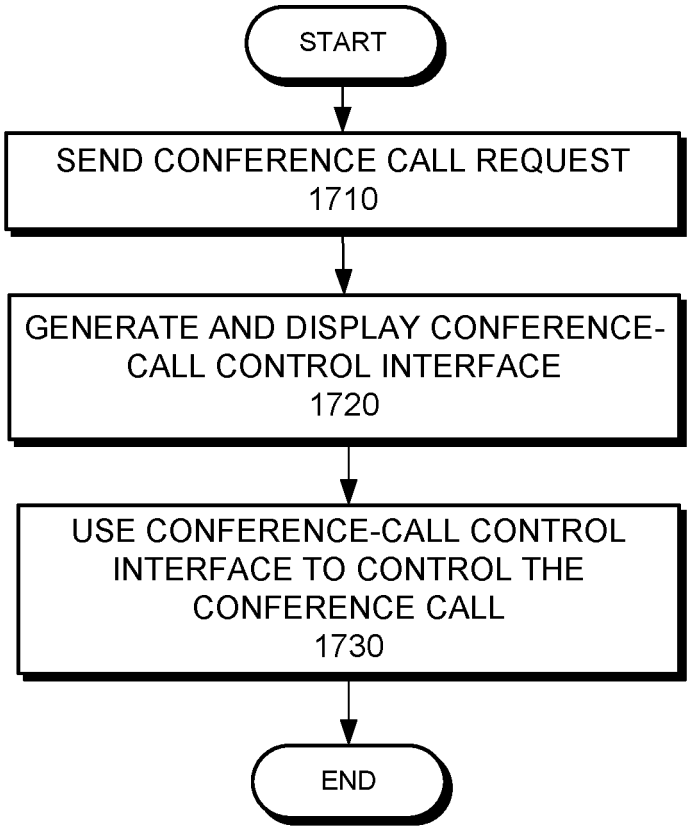
START
SEND CONFERENCE CALL REQUEST
1710
GENERATE AND DISPLAY CONFERENCE-CALL CONTROL INTERFACE
1720
USE CONFERENCE-CALL CONTROL INTERFACE TO CONTROL THE CONFERENCE CALL
1730
END

FIG. 17

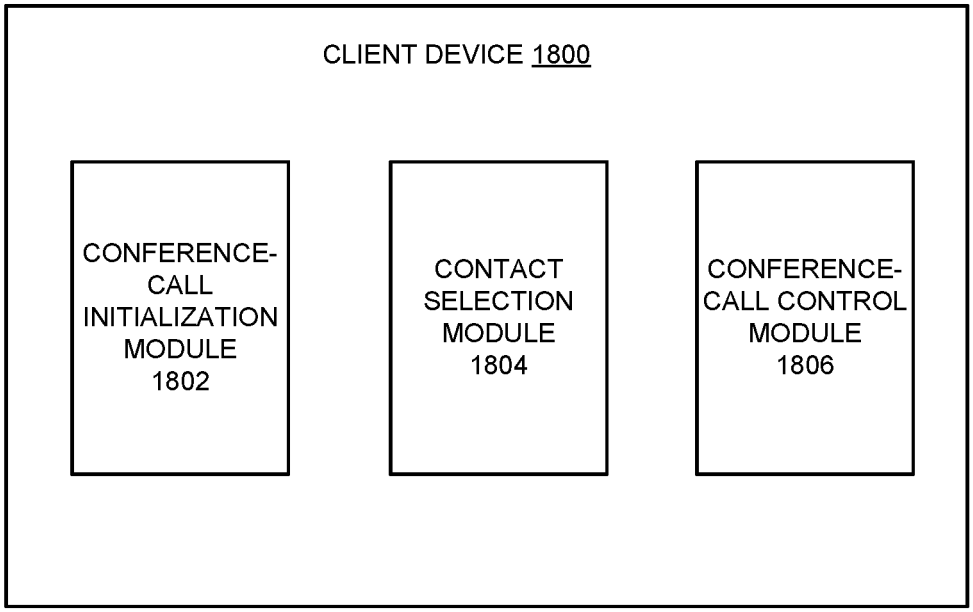
CLIENT DEVICE 1800
CONFERENCE-CALL INITIALIZATION MODULE 1802
CONTACT SELECTION MODULE 1804
CONFERENCE-CALL CONTROL MODULE 1806

FIG. 18

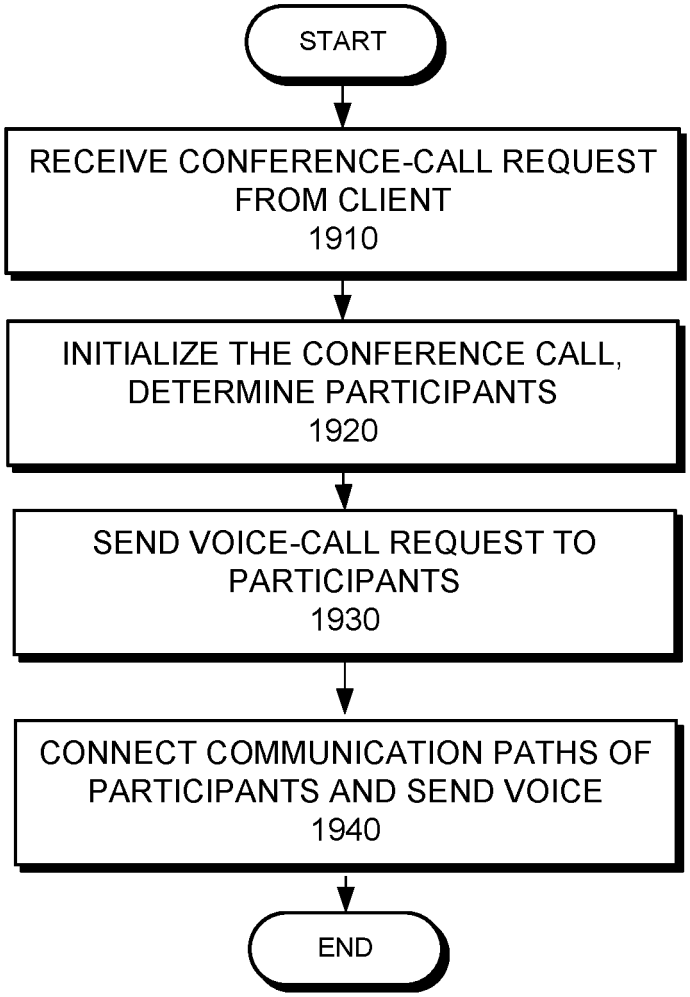
START
RECEIVE CONFERENCE-CALL REQUEST FROM CLIENT
1910
INITIALIZE THE CONFERENCE CALL, DETERMINE PARTICIPANTS
1920
SEND VOICE-CALL REQUEST TO PARTICIPANTS
1930
CONNECT COMMUNICATION PATHS OF PARTICIPANTS AND SEND VOICE
1940
END

FIG. 19

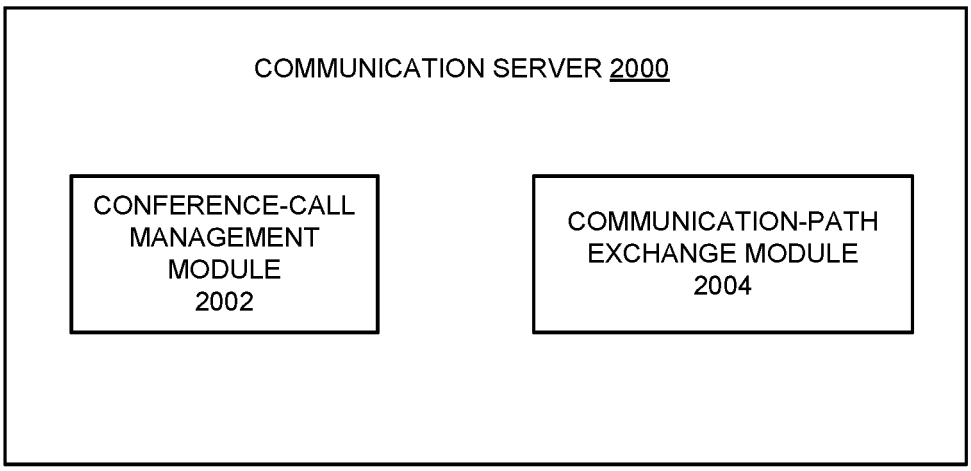
COMMUNICATION SERVER 2000
CONFERENCE-CALL MANAGEMENT MODULE 2002
COMMUNICATION-PATH EXCHANGE MODULE 2004

FIG. 20

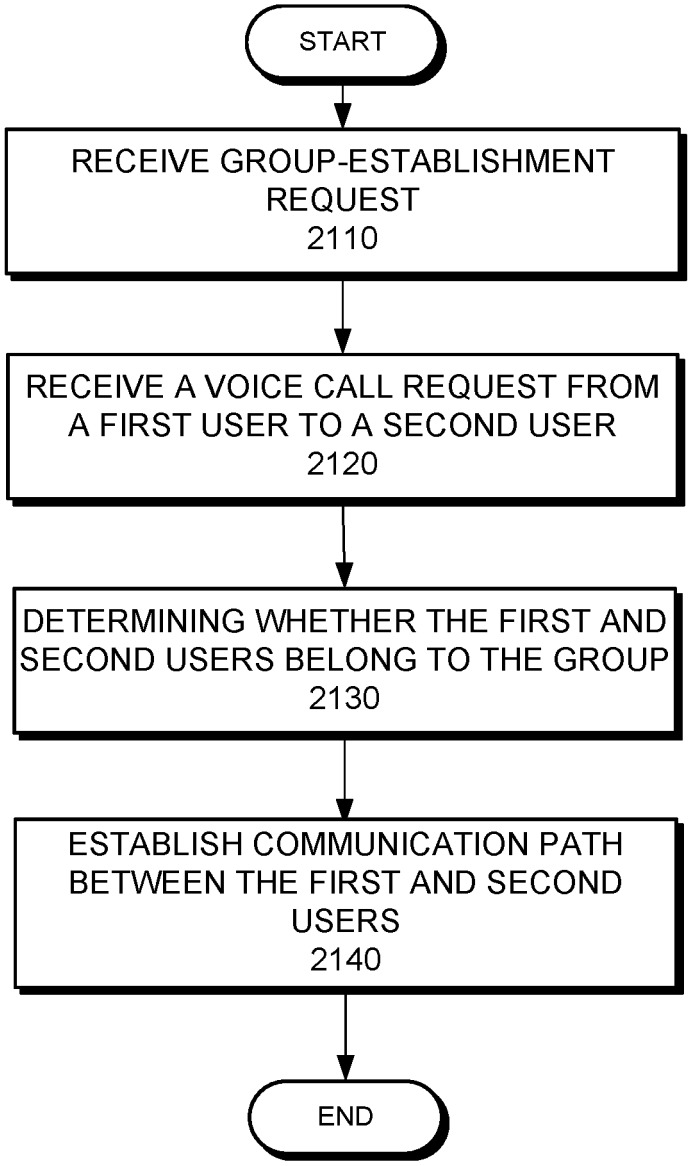
START
RECEIVE GROUP-ESTABLISHMENT REQUEST
2110
RECEIVE A VOICE CALL REQUEST FROM A FIRST USER TO A SECOND USER
2120
DETERMINING WHETHER THE FIRST AND SECOND USERS BELONG TO THE GROUP
2130
ESTABLISH COMMUNICATION PATH BETWEEN THE FIRST AND SECOND USERS
2140
END

FIG. 21

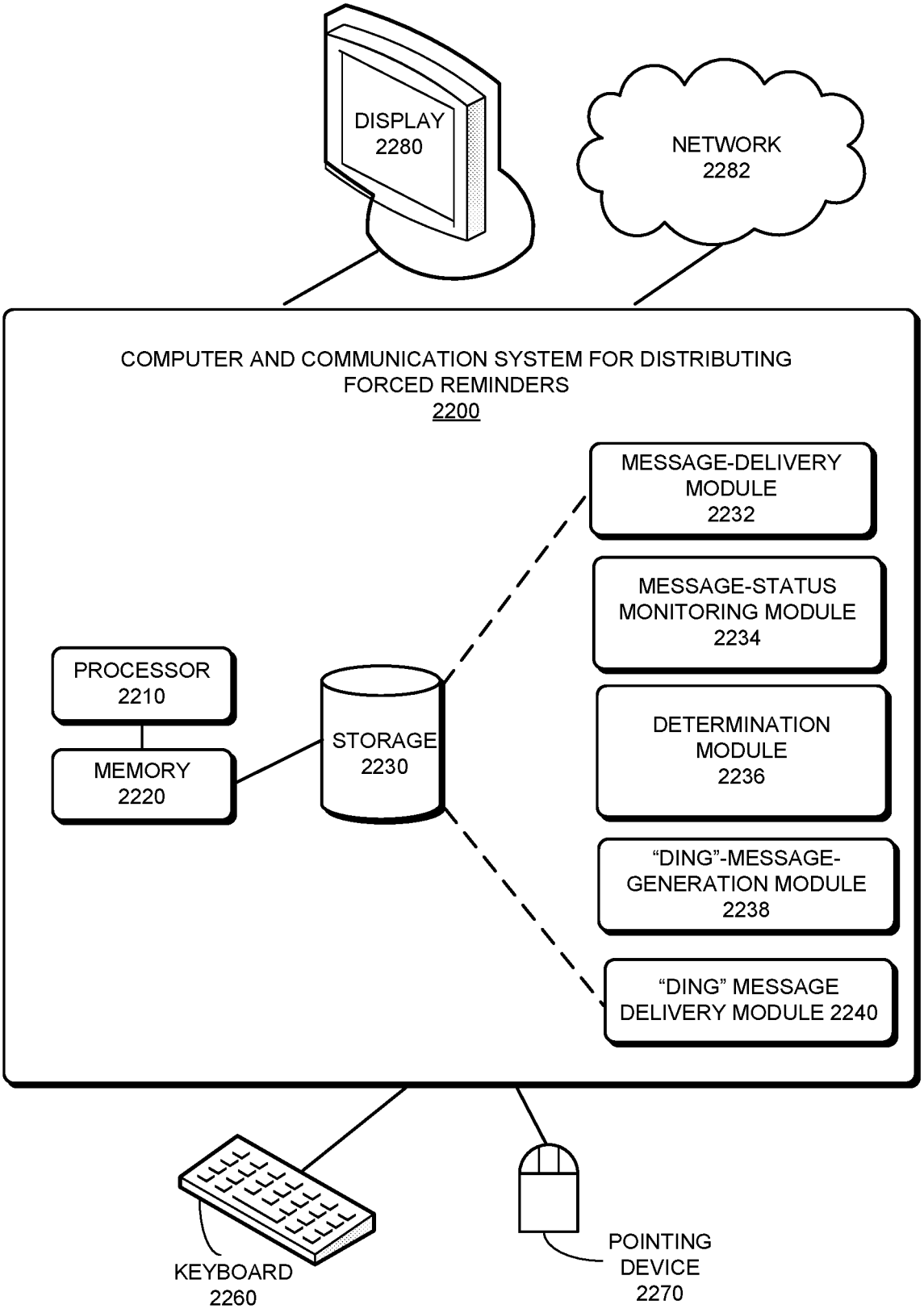
DISPLAY
2280
NETWORK
2282
COMPUTER AND COMMUNICATION SYSTEM FOR DISTRIBUTING FORCED REMINDERS
2200
MESSAGE-DELIVERY MODULE
2232
MESSAGE-STATUS MONITORING MODULE
2234
DETERMINATION MODULE
2236
"DING"-MESSAGE-GENERATION MODULE
2238
"DING" MESSAGE DELIVERY MODULE 2240
PROCESSOR
2210
MEMORY
2220
STORAGE
2230
KEYBOARD
2260
POINTING DEVICE
2270

FIG. 22