

sessions **24**. The operation begins with Step **359** in which the first messaging client establishes the first communication connection **16**. Next, in Step **360**, a counter is set to $N=1$. Next, in Step **362**, the process determines whether the first messaging client **14** is participating in an Nth messaging session. In Step **364**, when the first messaging client **14** is not participating in the Nth messaging session, the counter is incremented by one (1). Next, in Step **365**, the process determines whether or not the Nth messaging session exists. When the Nth session does not exist, the process ends. When the Nth messaging session does exist, the process returns to Step **362** in which it is determined whether the first messaging client **14** is participating in the Nth messaging session. In Step **366**, when the first messaging client **14** is participating in the Nth messaging session in Step **362**, the Nth messaging session including its associated session data is included in the first communication connection **16**. Next, in Step **368**, it is determined whether the Nth messaging session is requested or required to be transferred from the first messaging client **14** to the second messaging client **20**. When the Nth messaging session is not requested or required to be transferred in Step **368**, the process returns to Step **366** in which the first communication connection **16** continues to include the Nth messaging session. In Step **370**, when, in Step **368**, the Nth messaging session is being transferred, session data for the Nth messaging session is included in the plurality of session data **36** of the first client data **17**. The session data included for the Nth messaging session can be, for example, the Nth session identifier **41**, the Nth session priority **42**, the Nth session preferences **43**, the Nth session participants **44** and/or the Nth session history **45**. Next, in Step **310**, at least a portion of the first client data **17** including the session data for the Nth messaging session is transferred from the first messaging client **14** to the second messaging client **20**. It will be appreciated by one of ordinary skill in the art that, in accordance with the present invention, the plurality of session data for each messaging session to be transferred can be transferred separately. Alternatively, in accordance with the present invention, the plurality of session data for all messaging sessions being transferred can be transferred at one time in one or more communications. Next, in Step **312**, the process determines whether or not the second communication connection **22** has been established. In Step **318**, when the second communication connection **22** has not been established, the second communication connection **22** is established. In Step **372**, when the second communication connection **22** is already established in Step **312**, or after the second communication connection **22** is established in Step **318**, the Nth messaging session, along with any portion of the first client

data **17** transferred, is included within the second communication connection **22** for the second messaging client **20**. Next, in Step **374**, the process determines whether a notification of data transfer is required or requested. In step **376**, when a notification is required or requested, the notification is sent. It will be appreciated by one of ordinary skill in the art that the notification of data transfer can be sent for each messaging session separately. Alternatively, in accordance with the present invention, the notification of data transfer can be sent for all messaging sessions being transferred in one notification message. In accordance with the present invention, the notification of data transfer can be sent to at least one of the plurality of messaging clients **12** participating in the Nth messaging session. Alternatively or additionally, the notification of data transfer can be sent to the message server **172**. The notification of data transfer can be sent from the first messaging client **14**, from the second messaging client **20**, from the message server **172**, or an equivalent. Preferably, the notification includes the client profile **85** stored in the device in which the second messaging client **20** operates. The message communication system **10, 170**, including one or more of the plurality of messaging clients **12** and/or the message server **172**, can modify the content sent to the second messaging client **20** based on the client profile **85**. Next, the process returns to Step **364** in which the counter is incremented.

FIG. **18** is a flowchart illustrating one embodiment of the operation of the messaging communication system **170** in which the plurality of messaging sessions **24** includes the multiple user messaging session **19**. The operation begins with Step **378** in which the multiple user messaging session **19** is established within the messaging communication system **170**. The multiple user messaging session **19** includes the plurality of session messages **61** among the plurality of messaging clients **12**. Next, in Step **380**, the process determines whether the first messaging client **12** is participating in the multiple user messaging session **19**. When the first messaging client **12** is not participating in the multiple user messaging session **19**, the process ends. In Step **381**, when the first messaging client **12** is participating in the multiple user messaging session **19**, the first communication connection **16** includes the multiple user messaging session **19**. Further, the data for the multiple user messaging session **19** is part of the plurality of session data **36**. Data for the multiple user messaging session **19** can be, for example, the session identifier **41**, the session priority **42**, the session preferences **43**, the session participants **44** and/or the session history **45** of the multiple user messaging session **19**. Next, in Step **304**, the process determines whether a data transfer is required or requested. When no data transfer is required or

requested in Step **304**, the first communication connection **16** including the multiple user messaging session **19** is maintained in Step **381**. It will be appreciated by one of ordinary skill in the art that the plurality of session data **36** for the multiple user messaging session **19** is updated periodically as the multiple user messaging session **19** continues. (not shown)

5 Next, in Step **310**, when a data transfer is requested or required in Step **304** at least a portion of the first client data **17** including the plurality of session data **36** is transferred from the first messaging client **14** to the second messaging client **20**.

Next, in Step **382**, a data transfer message **384** is sent to the message server **170**.

10 Preferably, the data transfer message **384** is as illustrated in FIG. **19**. The data transfer message **384** preferably includes a session reservation **385**. For example, the session reservation **385** could save a connection within the multiple user messaging session **19** for any messaging client that is being used by the same account identifier used in the first messaging client **14**. As shown in FIG. **19**, the data transfer message **384** alternatively includes the session identifier **41** of the multiple user messaging session **19**, the first client identifier **15** of the first messaging client **14**, the second client identifier **21** of the second messaging client **20**, and the session reservation **385**. The session reservation **385** saves a connection within the multiple user messaging session **19** for the second messaging client **20** having the second client identifier **21**. It will be appreciated by one of ordinary skill in the art that the data transfer message **384** can be sent using a network connection, a wireless connection such as through the wireless communication system **114**, a wired connection such as through the wired communication system **89** or the broadcast messaging system **274**, or an equivalent.

20 Referring back to FIG. **18**, next, in Step **383**, the second messaging client **20** establishes the second communication connection **22** for participating within the multiple user messaging session **19**. In one embodiment of the present invention, the message server **172** can require that Step **383** be performed within a specific time period after it received the data transfer message **384**. (not shown) If this time is exceeded, the message server **172** can release the reserved seat to be used by any of the plurality of messaging clients **12**. The operation of the message communication system **170** as illustrated in FIG. **18** provides a means for the first account user **29** to ensure that there is an opening within the multiple user messaging session **19** when the first account user **29** transfers at least a portion of the first client data **17** including the plurality of session data **36** (and accordingly the communication means) from the first messaging client **14** to the second messaging client **20**. This operation

is especially beneficial in situations in which there are a limited number of available openings within the multiple user messaging session **19** and the first account user **29** could lose his/her space during the transfer of data from one messaging client to another messaging client.

FIG. 20 is a signaling flow diagram illustrating an example of the interaction between the elements of the messaging communication system **10, 170**, according to the present invention. Specifically, **FIG. 20** illustrates the interaction between the first messaging client **14**, the second messaging client **20**, the messaging client **26**, and the message server **172**. In accordance with the present invention, as illustrated in **FIG. 20**, a second account user, such as the account user **30**, logs onto the messaging client **26** and sends a notification signal **388** to the message server **172**. Preferably, the notification signal **388** further includes the second account identifier of the second account user. The notification signal **388** for example, includes the connection information (i.e.: IP address and number of the port assigned to the messaging client) of the messaging client **26**. Similarly, the first account user **29** logs onto the first messaging client **14** and sends a notification signal **386** to the message server **172**. The notification signal **386** for example, includes the connection information (i.e.: IP address and number of the port assigned to the messaging client) of the first messaging client **14**. Preferably, the notification signal **386** also includes the first account identifier of the first account user **29**. It will be appreciated by one of ordinary skill in the art that alternatively, the notification signals **386** and **388** can be sent directly to one or more of the plurality of messaging clients **12**. In response to receiving the notification signal **386** from the messaging client **26**, and receiving the notification signal **388** from the first messaging client **14**, the message server **172** sends a client availability signal **390** to the messaging client **26**. The client availability signal **390** informs the second account user via the messaging client **26** that the first account user **29** is available for real time electronic communications such as for participation in one or more of the plurality of messaging sessions **24**. Similarly, in response to receiving the notification signal **386** from the messaging client **26**, and receiving the notification signal **388** from the first messaging client **14**, the message server **172** sends a client availability signal **392** to the first messaging client **14**. The client availability signal **392** informs the first account user **29** via the first messaging client **14** that the second account user is available for real time electronic communications such as for participation in one or more of the plurality of messaging sessions **24**. Next, the first account user **29** initiates the messaging session **40** with the

second account user by sending a session message **394** to the message server **172**. The message server **172**, acting as a store and forward device, sends a session message signal **396** containing substantially the same message information as the session message **394** to the second account user via the messaging client **26**. In response to receiving the session message signal **396**, a window is created on the display of the messaging device in which the second messaging client **26** operates and the session message **46**, preferably along with the first account identifier of the first account user **29**, is displayed in the created window. Next, the second account user via the messaging client **26** sends a response message **398** to the message server **172**. The message server **172**, acting as a store and forward device, sends a response message signal **400** to the first account user **29** via the first messaging client **14** containing substantially the same message information as the response message **398**. In response to receiving the response message signal **400**, the created messaging session window is updated on the display of the messaging device in which the first messaging client **14** operates and the session message contained within the response message **398**, preferably along with the second account identifier of the second account user, is displayed. Although one session message **394** and one response message **398** is illustrated by way of example in FIG. **20**, it will be appreciated by one of ordinary skill in the art that the messaging session **40** between the first account user's first messaging client **14** and the second account user's messaging client **26** can include a plurality of session messages and a plurality of response messages. Further, although the interaction of two account users and two messaging clients is illustrated by way of example in FIG. **20**, it will be appreciated by one of ordinary skill in the art that the messaging session **40** can include a plurality of messaging clients and an associated plurality of account users. Further, it will be appreciated by one of ordinary skill in the art that the session message **394** can be sent directly from the first messaging client **14** to the messaging client **26**; and similarly the response message **398** can be sent directly from the messaging client **26** to the first messaging client **14**, without the interface of the message server **170**, in accordance with the present invention.

According to the present invention, an account user can choose to initiate a data transfer. As illustrated in FIG. **20**, the first account user **29** via the first messaging client **14** sends a transfer request signal **402** including at least a portion of the first client data **17** such as the plurality of session data **36** currently contained on the first account user's first messaging client **14** to the message server **172**. The transfer request signal **402** preferably

also includes a request to the message server 172 to transfer at least a portion of the first client data 17 including the plurality of session data 36 to a new messaging client such as the second messaging client 20. For example, the first messaging client 14 can be a fixed personal computer such as the fixed network device 50 in the office of the first account user 29. The first account user 29 has the need to become mobile. The second messaging client 20 can be a cellular telephone such as the mobile device 90. The first account user 29, according to the present invention, can pass the current messaging session from his/her personal computer to his/her cellular telephone with no loss of communication or of session data. Similarly, the transfer request signal 402 can include a request for the message server 172 to pass the plurality of session data 36 for more than one messaging session. In response to receiving the transfer request signal 402, the message server 172 determines whether the second messaging client 20 is currently connected onto the message server 172. (not shown) For example, the message server 172 determines whether the second messaging client 20 has established the second communication connection 22. When the second messaging client 20 is not currently connected with the message server 172, the message server 172 stores the plurality of session data 36 and/or the first client data 17 if so requested until the second messaging client 20 is connected. (not shown) When the second messaging client 20 is connected to the message server 172, the message server 172 sends the data signal 404 including the plurality of session data 36 and/or any portion of the first client data 17 received from the first messaging client 14 within the transfer request signal 404 to the second messaging client 20. The second messaging client 20 stores the plurality of session data 36 and/or the portion of the first client data 17 in memory and displays the session history 45 for access and use by the first account user 29 on the display of the messaging device in which the second messaging client 20 operates. It will be appreciated by one of ordinary skill in the art that the data signal 404 can include the plurality of session data 36 for one messaging session or for a plurality of messaging sessions, or can include the first client data 17 or the client data portion 18 of the first client data 17 for the first messaging client 14. Similarly the messaging device in which the second messaging client 20 operates can store one messaging session or a plurality of messaging sessions, the first client data 17 or the client data portion 18 of the first client data 17 in its memory in response to receiving the data signal 404. Preferably, in response to receiving the data signal 404, the second messaging client 20 sends an acknowledgement signal 406 to the message server 172. The message server 172 also preferably sends a transfer acknowledgement signal 410 to the first

account user's first messaging client **14**. The messaging session **40** seamlessly continues between the first account user **29** and the second account user through the second messaging client **20** and the messaging client **26** as illustrated by the plurality of session messages **412** to **422**. The messaging session **40** continues seamlessly without the second account user being necessarily aware of the transfer of the first client data from the first account user's first messaging client **14** to his/her second messaging client **20**. It will be appreciated by one of ordinary skill in the art that although only a second account user is shown in FIG. **20** by way of example, the messaging session **40** can continue seamlessly between a plurality of account users and associated plurality of messaging clients.

Preferably, the first messaging client **14** is disconnected from the messaging session **40** upon completion of the data transfer. (not shown) It will be appreciated by one of ordinary skill in the art that the first messaging client **14** can be automatically disconnected from the messaging session **40** or alternatively the first messaging client **14** can be disconnected manually by the first account user **29**. Similarly, it will be appreciated by one of ordinary skill in the art the first messaging client **14** can continue to be active in the messaging session **40** along with the second messaging client **20**. (not shown)

FIG. **21** is a signaling flow diagram illustrating the interaction between the elements of the messaging communication system **10,170**, according to the present invention. Specifically, FIG. **21** illustrates the interaction between the first messaging client **14**, the second messaging client **20**, the messaging client **26**, and the message server **172**, according to the present invention. In accordance with the present invention, as illustrated in FIG. **21**, a second account user, such as the account user **30**, logs onto the messaging client **26** and sends a notification signal **388** to the message server **172**. For example, the messaging client **26** establishes the communication connection **28**. The notification signal **388** for example, includes the connection information (i.e.: IP address and number of the port assigned to the messaging client) of the messaging client **26**. Preferably, the notification signal **388** further includes the second account identifier of the second account user. Similarly, the first account user **29** logs onto the first messaging client **14** and sends a notification signal **386** to the message server **172**. For example, the first messaging client **14** establishes the first communication connection **16**. The notification signal **386** for example, includes the connection information (i.e.: IP address and number of the port assigned to the messaging client) of the first messaging client **14**. Preferably, the notification signal **386** also includes the first account identifier of the first account user **29**. It will be appreciated by one of

ordinary skill in the art that alternatively, the notification signals **386** and **388** can be sent directly to one or more of the plurality of messaging clients **12**. In response to receiving the notification signal **386** from the messaging client **26**, and receiving the notification signal **388** from the first messaging client **14**, the message server **172** sends a client availability signal **390** to the messaging client **26**. The client availability signal **390** informs the second account user via the messaging client **26** that the first account user **29** is available for real time electronic communications such as participation in one or more messaging sessions. Similarly, in response to receiving the notification signal **386** from the messaging client **26**, and receiving the notification signal **388** from the first messaging client **14**, the message server **172** sends a client availability signal **392** to the first messaging client **14**. The client availability signal **392** informs the first account user **29** via the first messaging client **14** that the second account user is available for real time electronic communications such as participation in one or more messaging sessions. Next, the first account user **29** initiates the messaging session **40** with the second account user by sending a session message **424** to the message server **172**. The message server **172**, in response to receiving the session message **424** sends a messaging session participation request **426** to the second account user via the messaging client **26**. The messaging client **26** asks the second account user if he/she wants to participate in the messaging session **40** with the first account user **29**. When the second account user does not accept the messaging session participation request **426**, the process stops. (not shown) When the second account user does accept the messaging session participation request **426**, the messaging client **26** sends a messaging session participation acceptance signal **428** to the message server **172**. The message server **172**, in response to receiving the messaging session participation acceptance signal **428**, sends a session message signal **396** containing substantially the same message information as the session message **424** to the second account user via the messaging client **26**. In response to receiving the session message signal **396**, a window is created on the display of the messaging device in which the messaging client **26** operates and the session message **46**, preferably along with the first account identifier of the first account user **29**, is displayed on the created window. Next, the second account user via the messaging client **26** sends a response message **398** to the message server **172**. The message server **172**, acting as a store and forward device, sends a response message signal **400** to the first account user **29** via the first messaging client **14** containing substantially the same message information as the response message **398**. In response to receiving the response message signal **400**, the open

display window is updated on the display of the messaging device in which the first messaging client **14** operates and the session message, preferably along with the second account identifier of the second account user, is displayed. Although one session message **396** and one response message **398** is illustrated by way of example in FIG. **21**, it will be appreciated by one of ordinary skill in the art that the messaging session **40** between the first account user's first messaging client **14** and the second account user's messaging client **26** can include a plurality of session messages and a plurality of response messages. Further, although the interaction of two account users and two messaging clients is illustrated by way of example in FIG. **21**, it will be appreciated by one of ordinary skill in the art that the messaging session can include a plurality of messaging clients and an associated plurality of account users.

According to the present invention, an account user can choose to initiate a data transfer. As illustrated in FIG. **21**, the first account user **29** via the second messaging client **20** sends a transfer request signal **430** to the first account user's first messaging client **14**. In response, the first messaging client **14** sends a connection discovery and verification signal **432** to the second messaging client **20**. The second messaging client **20** then sends an acknowledgement signal **434** to the first messaging client **14**. The acknowledgement signal **434** preferably includes verification data in which the first messaging client **14** can verify the validity of the second messaging client **20**. The first messaging client **14** then sends a data signal **436** to the second messaging client **20**. In a preferred embodiment, the second messaging client **20** includes session transfer capabilities. Alternatively, the messaging device in which the second messaging client **20** operates includes the data transfer application **83**. The first account user **29** launches the data transfer application **83** or alternatively the data transfer capabilities of the second messaging client **20**, and utilizes the data transfer application **83** and/or the second messaging client **20** to achieve the transfer of at least a portion of the first client data **17** including the plurality of session data **36** from the first messaging client **14**. The data transfer application **83** stores first client data received including the plurality of session data **36** for the messaging session **40** in the memory of the messaging device and launches the second messaging client **20** if it is not already active. The messaging device in which the second messaging client **20** operates displays the session history **45** for access and use by the first account user **29** on the messaging device in which the second messaging client **20** operates. It will be appreciated by one of ordinary skill in the art that the session data signal **436** can include the plurality of session data **36** for one

messaging session or for a plurality of messaging sessions, or can include the first client data 17 or the client data portion 18 of the first client data 17 for the first messaging client 14. Similarly the messaging device in which the second messaging client 20 operates can store one messaging session or a plurality of messaging sessions, the first client data 17 or the client data portion 18 of the first client data 17 in its memory in response to receiving the session data signal 436.

The messaging session 40 continues between the first account user 29 and the second account user through the second messaging client 20 and the messaging client 26 as illustrated by the plurality of session messages 412 to 422. The messaging session 40 continues seamlessly without the second account user being necessarily aware of the transfer of the portion of the first client data 17 including the plurality of session data 36 from the first messaging client 14 to the second messaging client 20. It will be appreciated by one of ordinary skill in the art that although only a second account user is shown in FIG. 21 by way of example, the messaging session 40 can continue seamlessly between a plurality of account users and associated plurality of messaging clients.

Preferably, the first messaging client 14 is disconnected from the messaging session 40 upon completion of the data transfer. (not shown) It will be appreciated by one of ordinary skill in the art that the first messaging client 14 can be automatically disconnected from the messaging session 40 or alternatively the first messaging client 14 can be disconnected manually by the first account user 29. Similarly, it will be appreciated by one of ordinary skill in the art the first messaging client 14 can continue to be active in the messaging session 40 along with the second messaging client 20. (not shown)

FIG. 22 is a signaling flow diagram illustrating the interaction between the elements of the messaging communication system 10, 170, according to the present invention.

Specifically, FIG. 22 illustrates the interaction between the first messaging client 14, the second messaging client 20, the messaging client 26, and the message server 172. In accordance with the present invention, as illustrated in FIG. 22, a second account user, such as the account user 30, logs onto the messaging client 26 and sends a notification signal 388 to the message server 172. For example, the messaging client 26 establishes the communication connection 28. The notification signal 388 for example, includes the connection information (i.e.: IP address and number of the port assigned to the messaging client) of the messaging client 26. Preferably, the notification signal 388 further includes the second account identifier of the second account user. Similarly, the first account user 29

logs onto the first messaging client **14** and sends a notification signal **386** to the message server **172**. For example, the first messaging client **14** establishes the first communication connection **16**. The notification signal **386** for example, includes the connection information (i.e.: IP address and number of the port assigned to the messaging client) of the first

5 messaging client **14**. Preferably, the notification signal **386** also includes the first account identifier of the first account user **29**. It will be appreciated by one of ordinary skill in the art that alternatively, the notification signals **386** and **388** can be sent directly to one or more of the plurality of messaging clients **12**. In response to receiving the notification signal **386** from the messaging client **26**, and receiving the notification signal **388** from the first

10 messaging client **14**, the message server **172** sends a client availability signal **390** to the messaging client **26**. The client availability signal **390** informs the second account user via the messaging client **26** that the first account user **29** is available for real time electronic communications such as participation in one or more of the plurality of messaging sessions **24**. Similarly, in response to receiving the notification signal **386** from the messaging client

15 **26**, and receiving the notification signal **388** from the first messaging client **14**, the message server **172** sends a client availability signal **392** to the first messaging client **14**. The client availability signal **392** informs the first account user **29** via the first messaging client **14** that the second account user is available for real time electronic communications such as participation in one or more of the plurality of messaging sessions **24**. Next, the first

20 account user **29** initiates the messaging session **40** with the second account user by sending a session message **424** to the message server **172**. The message server **172**, in response to receiving the real time electronic message **424** sends a messaging session participation request **426** to the second account user via the messaging client **26**. The messaging client **26** asks the second account user if he/she wants to participate in the messaging session **40** with

25 the first account user **29**. When the second account user does not accept the messaging session participation request **426**, the process stops. (not shown) When the second account user does accept the messaging session participation request **426**, the messaging client **26** sends a messaging session participation acceptance signal **428** to the message server **172**. The message server **172**, in response to receiving the messaging session participation

30 acceptance signal **428**, sends a session message signal **396** containing substantially the same message information as the session message **424** to the second account user via the messaging client **26**. In response to receiving the session message signal **396**, a window is created on the display of the messaging device in which the messaging client **26** operates

and the session message 46, preferably along with the first account identifier of the first account user 29, is displayed. Next, the second account user via the messaging client 26 sends a response message 398 to the message server 172. The message server 172, acting as a store and forward device, sends a response message signal 400 to the first account user 29 via the first messaging client 14 containing substantially the same message information as the response message 398. In response to receiving the response message signal 400, the open display window is updated on the display of the messaging device in which the first messaging client 14 operates and the session message, preferably along with the second account identifier of the second account user, is displayed. Although one session message 396 and one response message 398 is illustrated by way of example in FIG. 22, it will be appreciated by one of ordinary skill in the art that the messaging session 40 between the first account user's first messaging client 14 and the second account user's messaging client 26 can include a plurality of session messages and a plurality of response messages. Further, although the interaction of two account users and two messaging clients is illustrated by way of example in FIG. 22, it will be appreciated by one of ordinary skill in the art that the messaging session 40 can include a plurality of messaging clients and an associated plurality of account users.

According to the present invention, an account user can choose to initiate a data transfer. As illustrated in FIG. 22, the first account user 29 via the second messaging client 20 sends a transfer request signal 430 to the first account user's first messaging client 14. In response, the first messaging client 14 sends a connection discovery and verification signal 432 to the second messaging client 20. The second messaging client 20 then sends an acknowledgement signal 434 to the first messaging client 14. The acknowledgement signal 434 preferably includes verification data in which the first messaging client 14 can verify that the validity of the second messaging client 20. In response to receiving the acknowledgement signal 434, the first messaging client 14 sends a request for a key 438 to the message server 172. Next, the message server 172 sends a key signal 440 to the first messaging client 14. The first messaging client 14 then sends the data and key signal 442 to the second messaging client 20. The key preferably includes a code by which the second messaging client 20 can access the messaging session 40. The second messaging client 20 stores the transferred portion of the first client data 17 including the plurality of session data 36 and the key for the messaging session 40 in the memory of the messaging device in which the second messaging client 20 operates, and displays the session history 45 for

access and use by the first account user **29** on the display of the messaging client in which the second messaging client **20** operates. It will be appreciated by one of ordinary skill in the art that the data and key signal **442** can include session data for one messaging session or for a plurality of messaging sessions, the first client data **17** or a portion of the first client data **17**; and similarly that the second messaging client **20** can store one messaging session or a plurality of messaging sessions, the first client data **17** or a portion of the first client data **17** in memory in response to receiving the data and key signal **442**. The second messaging client **20** then launches the data transfer application **83** or alternatively runs the data transfer software contained within the second messaging client **20**. Further, the second messaging client **20** can cause the messaging device in which the second messaging client **20** operates to display the session history **45** received from the first messaging client **14** within the data and key signal **442** for viewing by the first account user **29**. Next, the second messaging client **20** sends a request for connection signal **444** to the message server **172**. In response, the message server **172** sends a security challenge signal **446** to the second messaging client **20**. The second messaging client **20** responds to the security challenge signal **446** with a security response signal **448** which may be calculated from the security challenge signal and the key to the message server **172**. Then the message server **172** sends an acknowledgement of transfer complete signal **450** to the second messaging client **20**. The messaging session **40** has now been transferred from the first messaging client **14** to the second messaging client **20**. Preferably, the second messaging client **20** also sends an acknowledgement of transfer to the message server **172**. (not shown)

The messaging session **40** continues between the first account user **29** and the second account user through the second messaging client **20** and the messaging client **26** as illustrated by the plurality of session messages **412** to **422**. The messaging session **40** continues seamlessly without the second account user being necessarily aware of the transfer of the portion of the first client data **17** including the plurality of session data **36** from the first messaging client **14** to the second messaging client **20**. It will be appreciated by one of ordinary skill in the art that although only a second account user is shown in FIG. **22** by way of example, the messaging session **40** can continue seamlessly between a plurality of account users and associated plurality of messaging clients.

Preferably, the first messaging client **14** is disconnected from the messaging session **40** upon completion of the data transfer. (not shown) It will be appreciated by one of ordinary skill in the art that the first messaging client **14** can be automatically disconnected

from the messaging session **40** or alternatively the first messaging client **14** can be disconnected manually by the first account user **29**. Similarly, it will be appreciated by one of ordinary skill in the art that the first messaging client **14** can continue to be active in the messaging session **40** along with the second messaging client **20**. (not shown)

5 FIG. **23** is a signaling flow diagram illustrating the interaction between the elements of the messaging communication system **10,170**, according to the present invention. Specifically, FIG. **23** illustrates the interaction between the first messaging client **14**, the second messaging client **20**, the messaging client **26**, and the message server **172**. In accordance with the present invention, as illustrated in FIG. **23**, a second account user, such as the account user **30**, logs onto the messaging client **26** and sends a notification signal **388** to the message server **172**. For example, the messaging client **26** establishes the communication connection **28**. The notification signal **388** for example, includes the connection information (i.e.: IP address and number of the port assigned to the messaging client) of the messaging client **26**. Preferably, the notification signal **388** further includes the second account identifier of the second account user. Similarly, a first account user **29** logs onto the first messaging client **14** and sends a notification signal **386** to the message server **172**. For example, the first messaging client **14** establishes the first communication connection **16**. The notification signal **386** for example, includes the connection information (i.e.: IP address and number of the port assigned to the messaging client) of the first messaging client **14**. Preferably, the notification signal **386** also includes the first account identifier of the first account user **29**. It will be appreciated by one of ordinary skill in the art that alternatively, the notification signals **386** and **388** can be sent directly to one or more of the plurality of messaging clients **12**. In response to receiving the notification signal **386** from the messaging client **26**, and receiving the notification signal **388** from the first messaging client **14**, the message server **172** sends a client availability signal **390** to the messaging client **26**. The client availability signal **390** informs the second account user via the messaging client **26** that the first account user **29** is available for real time electronic communications such as for participation in one or more of the plurality of messaging sessions **24**. Similarly, in response to receiving the notification signal **386** from the messaging client **26**, and receiving the notification signal **388** from the first messaging client **14**, the message server **172** sends a client availability signal **392** to the first messaging client **14**. The client availability signal **392** informs the first account user **29** via the first messaging client **14** that the second account user is available for real time electronic

communications such as participation in one or more of the plurality of messaging sessions

24. Next, the first account user **29** initiates the messaging session **40** with the second account user by sending a session message **424** to the message server **172**. The message server **172**, in response to receiving the session message **424** sends a messaging session participation request **426** to the second account user via the messaging client **26**. The messaging client **26** asks the second account user if he/she wants to participate in the messaging session **40** with the first account user **29**. When the second account user does not accept the messaging session participation request **426**, the process stops. (not shown)

When the second account user does accept the messaging session participation request **426**, the messaging client **26** sends a messaging session participation acceptance signal **428** to the

message server **172**. The message server **172**, in response to receiving the messaging session participation acceptance signal **428**, sends a session message signal **396** containing substantially the same message information as the session message **424** to the second account user via the messaging client **26**. In response to receiving the session message

signal **396**, a window is created on the display of the messaging device in which the messaging client **26** operates and the session message, preferably along with the first account identifier of the first account user **29**, is displayed. . Next, the second account user via the messaging client **26** sends a response message **398** to the message server **172**. The message

server **172**, acting as a store and forward device, sends a response message signal **400** to the first account user **29** via the first messaging client **14** containing substantially the same message information as the response message **398**. In response to receiving the response message signal **400**, the open window is updated on the display of the messaging device in which the first messaging client **14** operates and the session message, preferably along with the second account identifier of the second account user, is displayed. Although one session

message **396** and one response message **398** is illustrated by way of example in FIG. **23**, it will be appreciated by one of ordinary skill in the art that the messaging session **40** between the first account user's first messaging client **14** and the second account user's messaging client **26** can include a plurality of session messages and a plurality of response messages. Further, although the interaction of two account users and two messaging clients is

illustrated by way of example in FIG. **23**, it will be appreciated by one of ordinary skill in the art that the messaging session **40** can include a plurality of messaging clients and an associated plurality of account users.

According to the present invention, an account user can choose to launch data transfer software. As illustrated in FIG. 23, the first account user **29** launches the data transfer software within the second messaging client **20** or alternatively the data transfer application **83**. Upon launching the data transfer application **83** or alternatively the data transfer software within the second messaging client **20**, the second messaging client **20** sends a notification of availability signal **452** to the message server **172**. In response, the message server **172** sends an availability signal **454** to the first messaging client **14** and an availability signal **456** to the messaging client **26**. Preferably the signals **452** and **454** include identification information for the second messaging client **20** such as the second client identifier **21**. As illustrated, after receiving the availability notification signal **454**, the first messaging client **14** sends a data signal **458** to the second messaging client **20**. The second messaging client **20** stores the received portion of the first client data **17** including the plurality of session data **36** for the messaging session **40** in the memory of its associated messaging device and causes the session history **45** to be displayed on the display of the messaging device in which the second messaging client **20** operates for access and use by the first account user **29**. It will be appreciated by one of ordinary skill in the art that the data signal **458** can include session data for one messaging session or for a plurality of messaging sessions, the first client data **17**, or a portion of the first client data **17**; and similarly that the second messaging client **20** can store one messaging session or a plurality of messaging sessions, the first client data **17**, or a portion of the first client data **17** in its memory in response to receiving the session data signal **458**.

The messaging session **40** continues between the first account user **29** and the second account user through the second messaging client **20** and the messaging client **26** as illustrated by the plurality of session messages **412** to **422**. The messaging session **40** continues seamlessly. It will be appreciated by one of ordinary skill in the art that although only a second account user is shown in FIG. 23 by way of example, the messaging session **40** can continue seamlessly between a plurality of account users and associated plurality of messaging clients.

Preferably, the first messaging client **14** is disconnected from the messaging session **40** upon completion of the data transfer. (not shown) It will be appreciated by one of ordinary skill in the art that the first messaging client **14** can be automatically disconnected from the messaging session **40** or alternatively the first messaging client **14** can be disconnected manually by the first account user **29**. Similarly, it will be appreciated by one

of ordinary skill in the art the first messaging client **14** can continue to be active in the messaging session **40** along with the second messaging client **20**. (not shown)

FIG. **24** is a signaling flow diagram illustrating the interaction between the elements of the messaging communication system **10**, **170**, according to the present invention.

Specifically, FIG. **24** illustrates the interaction between the first messaging client **14**, the second messaging client **20**, the messaging client **26**, and the message server **172**. In accordance with the present invention, as illustrated in FIG. **24**, a second account user, such as the account user **30**, logs onto the messaging client **26** and sends a notification signal **388** to the message server **172**. The notification signal **388** for example, includes the connection information (i.e.: IP address and number of the port assigned to the messaging client) of the messaging client **26**. Preferably, the notification signal **388** further includes the second account identifier of the second account user. Similarly, a first account user **29** logs onto the first messaging client **14** and sends a notification signal **386** to the message server **172**. The notification signal **386** for example, includes the connection information (i.e.: IP address and number of the port assigned to the messaging client) of the first messaging client **14**. Preferably, the notification signal **386** also includes the first account identifier of the first account user **29**. It will be appreciated by one of ordinary skill in the art that alternatively, the notification signals **386** and **388** can be sent directly to one or more of the plurality of messaging clients **12**. In response to receiving the notification signal **386** from the messaging client **26**, and receiving the notification signal **388** from the first messaging client **14**, the message server **172** sends a client availability signal **390** to the messaging client **26**. The client availability signal **390** informs the second account user via the messaging client **26** that the first account user **29** is available for real time electronic communications such as participation in one or more of the plurality of messaging sessions **24**. Similarly, in response to receiving the notification signal **386** from the messaging client **26**, and receiving the notification signal **388** from the first messaging client **14**, the message server **172** sends a client availability signal **392** to the first messaging client **14**. The client availability signal **392** informs the first account user **29** via the first messaging client **14** that the second account user is available for real time electronic communications such as participation in one or more of the plurality of messaging sessions **24**. Next, the first account user **29** initiates the messaging session **40** with the second account user by sending a session message **424** to the message server **172**. The message server **172**, in response to receiving the session message **424** sends a messaging session participation request **426** to the

second account user via the messaging client **26**. The messaging client **26** asks the second account user if he/she wants to participate in the messaging session **40** with the first account user **29**. When the second account user does not accept the messaging session participation request **426**, the process stops. (not shown) When the second account user does accept the messaging session participation request **426**, the messaging client **26** sends a messaging session participation acceptance signal **428** to the message server **172**. The message server **172**, in response to receiving the messaging session participation acceptance signal **428**, sends a session message signal **396** containing substantially the same message information as the session message **424** to the second account user via the messaging client **26**. In response to receiving the real time electronic message signal **396**, a window is created on the display of the messaging device in which the messaging client **26** operates and the session message **46**, preferably along with the first account identifier of the first account user **29**, is displayed. . Next, the second account user via the messaging client **26** sends a response message **398** to the message server **172**. The message server **172**, acting as a store and forward device, sends a response message signal **400** to the first account user **29** via the first messaging client **14** containing substantially the same message information as the response message **398**. In response to receiving the response message signal **400**, the open window is updated on the display of the messaging device in which the first messaging client **14** operates and the session message, preferably along with the second account identifier of the second account user, is displayed. Although one session message **396** and one response message **398** is illustrated by way of example in FIG. **23**, it will be appreciated by one of ordinary skill in the art that the messaging session **40** between the first account user's first messaging client **14** and the second account user's messaging client **26** can include a plurality of session messages and a plurality of response messages. Further, although the interaction of two account users and two messaging clients is illustrated by way of example in FIG. **23**, it will be appreciated by one of ordinary skill in the art that the messaging session **40** can include a plurality of messaging clients and an associated plurality of account users.

According to the present invention, an account user can choose to launch data transfer software. As illustrated in FIG. **24**, the first account user **29** launches the transfer software within the second messaging client **20** or alternatively the data transfer application **83**. Upon launching the data transfer application **83** or alternatively the transfer software within the second messaging client **20**, the second messaging client **20** sends a notification

of availability signal **452** to the message server **172**. In response, the message server **172** sends an availability signal **454** to the first messaging client **14** and an availability signal **456** to the messaging client **26**. Preferably the signals **452** and **454** include identification information for the second messaging client **20** such as the second messaging client identification **382**. As illustrated, after receiving the availability signal **454**, the first messaging client **14** sends a data signal **460** to the message server **172**. In response, the message server **172** sends a data signal **462** to the second messaging client **20**. The second messaging client **20** stores the received portion of the first client data **17** including the plurality of session data **36** for the messaging session **40** in memory and causes the session history **45** to be displayed on the display of the messaging device in which the second messaging client **20** operates for access and use by the first account user **29** on the second messaging client **20**. It will be appreciated by one of ordinary skill in the art that the data signals **460** and **462** can include session data for one messaging session or for a plurality of messaging sessions, the first client data **17**, or a portion of the first client data **17**; and similarly that the second messaging client **20** can store one messaging session or a plurality of messaging sessions, the first client data **17**, or a portion of the first client data **17** in memory in response to receiving the data signals **460** and **462**.

The messaging session **40** continues between the first account user **29** and the second account user through the second messaging client **20** and the messaging client **26** as illustrated by the plurality of session messages **412** to **422**. It will be appreciated by one of ordinary skill in the art that although only the first account user **29** and a second account user are shown in FIG. **23** by way of example, the messaging session **40** can continue seamlessly between a plurality of account users and associated plurality of messaging clients.

Preferably, the first messaging client **14** is disconnected from the messaging session **40** upon completion of the data transfer. (not shown) It will be appreciated by one of ordinary skill in the art that the first messaging client **14** can be automatically disconnected from the messaging session **40** or alternatively the first messaging client **14** can be disconnected manually by the first account user **29**. Similarly, it will be appreciated by one of ordinary skill in the art the first messaging client **14** can continue to be active in the messaging session **40** along with the second messaging client **20**. (not shown)

Although the invention has been described in terms of preferred embodiments, it will be obvious to those skilled in the art that various alterations and modifications may be made without departing from the invention. Accordingly, it is intended that all such alterations

and modifications be considered as within the spirit and scope of the invention as defined by the appended claims.

What is claimed is:

09995338 112701

11-29-01

PTO/SB/05 (03-01)

A

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.: PT03730U
First Inventor: EATON, ERIC THOMAS ET AL.
Title: SYSTEM FOR PROVIDING CONTINUITY BETWEEN MESSAGING
CLIENTS AND METHOD THEREFOR
Express Mail Label No.: ET502955928US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, D.C. 20231

1. ☒ Fee Transmittal Form in duplicate
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status
See 37 CFR 1.27
3. ☒ Specification [Total Pages]
(preferred arrangement set forth below)
-Descriptive title of the invention
-Cross Reference to Related Applications
-Statement Regarding Fed sponsored R&D
-Reference to sequence listing, a table,
or a computer program listing appendix
-Background of the Invention
-Brief Summary of the Invention
-Brief Description of the Drawings (if filed)
-Detailed Description
-Claim(s)
-Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets]
5. ☐ Oath or Declaration [Total Pages]
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/ divisional with Box 18
completed)
- i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the
prior application, ee 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet under 37 CFR 1.76
7. ☐ CD-ROM or CD-R in duplicate, large
table or Computer Program (Appendix)
8. ☐ Nucleotide and/or Amino Acid Sequence
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CFR)
- b. ☐ Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies);
ii. ☐ or paper
- c. ☐ Statements verifying identify of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document
(if foreign priority is claimed)
16. ☐ Nonpublication Request and Certification
under 35 U.S.C. 122(b)(2)(B)(i). Applicant
must attach form PTO/SB/35 or its equivalent
17. ☐ Other: _____

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in
an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in- Part (CIP) ☐ Prior Appl. No.

Prior Appl. information: Examiner: Group/Art Unit:

19. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Label***24273***☐ Correspondence address below

Name _____
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City _____ State _____ Zip Code _____
Country U.S.A. Telephone (954) 723-6449 Fax (954) 723-3871
Name Randi L. Dulaney Registration Number (Attorney/Agent) 46,148
SIGNATURE *Randi L. Dulaney* Date 11/27/01

FEE TRANSMITTAL **for FY 2002**

Patent fees are subject to annual revision

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$ 2388.00)

Complete if Known

Application No.

Filing Date

First Named Inventor

EATON, ERIC THOMAS ET AL.

Examiner Name

Group Art Unit

Attorney Docket No.

PT03730U

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

Deposit Account Number

50-0757

Deposit Account Name

Motorola, Inc.

The Commissioner is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayment

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	740
105	330	206	165	Design filing fee	
102	510	207	255	Plant filing fee	
103	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)					(\$ 740)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims		Extra Claims		Fee from below		Fee Paid
Independent	72	-20*	= 52	x 18	=	936.00
Claims	11	-3*	= 8	x 84	=	672.00
Multiple Dependent				280		

Large Entity		Small Entity		<u>Fee Description</u>
Fee Code	Fee \$	Fee Code	Fee \$	
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)				(\$ 1608)

*or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late Provisional filing	
139	130	139	130	Non-English specification	
147	2520	147	2520	For filing a request for ex parte Reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1840*	113	1840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1440	218	720	Extension for reply within fourth month	
128	1960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1510	138	1510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1280	241	640	Petition to revive - unintentional	
142	1280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	123	50	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of IDS	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Pd

SUBTOTAL (3) **\$ 40**

SUBMITTED BY

Name (Print) Randi L. Dulaney

Signature

Randi L. Dulaney

Complete (if applicable)

Registration No. (Attorney/Agent) 46,148

Telephone: (954) 723-6449

Date 11/27/01

CLAIMS

1. Within a messaging communication system having a plurality of messaging
5 clients, a method for providing continuity between the plurality of messaging clients
comprising:

establishing for a first messaging client a first communication connection operating
using a plurality of client data;

transferring the plurality of client data from the first messaging client to a second
10 messaging client; and

establishing for the second messaging client a second communication connection
operating using the plurality of client data.

2. A method for providing continuity between a plurality of messaging clients as
15 recited in claim 1 further comprising:

authenticating an account user by the first messaging client using an authentication
key prior to the transferring step;

transferring the authentication key from the first messaging client to the second
messaging client; and

20 authenticating the account user by the second messaging client using the
authentication key.

3. A method for providing continuity between a plurality of messaging clients as
recited in claim 1 wherein the plurality of client data includes a plurality of contact data, and
25 further wherein the plurality of contact data comprises at least one account identifier.

4. A method for providing continuity between a plurality of messaging clients as
recited in claim 3 wherein the plurality of contact data further comprises an account contact
information associated with the at least one account identifier.

5. A method for providing continuity between a plurality of messaging clients as recited in claim 1 wherein the first messaging client further includes at least one user preference, the method further comprising:

5 transferring the at least one user preference from the first messaging client to the second messaging client; and
 operating within the second communication connection by the second messaging client using the at least one user preference.

10 6. A method for providing continuity between a plurality of messaging clients as recited in claim 5 wherein the plurality of client data further comprises the at least one user preference.

15 7. A method for providing continuity between a plurality of messaging clients as recited in claim 1 wherein the first messaging client operates within a first messaging device, and further wherein the first messaging device includes a user interface, the method further comprising prior to the transferring step:

 requesting the transfer of the plurality of client data by a user input to the user interface of the first messaging device.

20 8. A method for providing continuity between a plurality of messaging clients as recited in claim 1 wherein the second messaging client operates within a second messaging device, and further wherein the second messaging device includes a user interface, the method further comprising prior to the transferring step:

25 requesting the transfer of the plurality of client data by a user input to the user interface of the second messaging device.

30 9. A method for providing continuity between a plurality of messaging clients as recited in claim 1 wherein the second messaging client operates within a mobile device, wherein in the transferring step the transfer of the plurality of client data is in response to a movement of the mobile device.

10. A method for providing continuity between a plurality of messaging clients as recited in claim 1 wherein in the transferring step the transfer of the plurality of client data is in response to an activation of the second messaging client.

5 11. A method for providing continuity between a plurality of messaging clients as recited in claim 1 wherein the second messaging client operates within a second messaging device, wherein the second messaging device includes a data transfer application, and further wherein in the transferring step the transfer of the plurality of client data is in response to an activation of the data transfer application.

10 12. A method for providing continuity between a plurality of messaging clients as recited in claim 1 wherein the first messaging client operates within a first messaging device, wherein the first messaging device includes a data transfer application, and further wherein in the transferring step the transfer of the plurality of client data is in response to an
15 activation of the data transfer application.

20 13. A method for providing continuity between a plurality of messaging clients as recited in claim 1 wherein in the transferring step the transfer of the plurality of client data is in response to the second messaging client establishing the second communication connection.

25 14. A method for providing continuity between a plurality of messaging clients as recited in claim 1 wherein the second messaging client operates within a second messaging device, and further wherein in the transferring step the transfer of the plurality of client data is in response to activating the second messaging device.

15. A method for providing continuity between a plurality of messaging clients as recited in claim 1 further comprising:

30 disconnecting the first messaging client from the first communication connection prior to the transferring step.

disconnecting the first messaging client from the first communication connection

17. A method for providing continuity between a plurality of messaging clients as recited in claim 1, wherein the plurality of client data includes at least one client data portion, and further wherein the transferring step comprises transferring the at least one client data portion..

18. A method for providing continuity between a plurality of messaging clients as recited in claim 17 further comprising prior to the transferring step, sending from the second messaging client to the first messaging client a client data requirement, wherein the client data portion is determined using the client data requirement.

19. Within a messaging communication system having a plurality of messaging clients, a method for providing continuity between the plurality of messaging clients comprising:

- 5 establishing for a first messaging client a first communication connection including a plurality of client data;
- establishing for a second messaging client a second communication connection; and
- transferring the plurality of client data from the first messaging client to the second messaging client in response to the second communication connection.

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TO: "BEEBEE"

20. Within a messaging communication system having a plurality of messaging clients, a method for providing continuity between the plurality of messaging clients comprising:

5 establishing for a first messaging client a first communication connection including a plurality of client data, wherein the first messaging client includes a first account identifier; providing the first account identifier for the first messaging client to the messaging communication system;

transferring the plurality of client data from the first messaging client to a second
10 messaging client, wherein the second messaging client includes a second account identifier;
providing the second account identifier from the second messaging client to the
messaging communication system; and

establishing for the second messaging client a second communication connection including the plurality of client data using the second account identifier.

15

21. Within a messaging communication system having a message server for managing the communication of a plurality of messages among a plurality of messaging clients, a method for providing continuity between the plurality of messaging clients

5 comprising:

establishing a first communication connection including a plurality of client data between a first messaging client and the message server;

transferring the plurality of client data from the first messaging client to a second messaging client; and

10 establishing a second communication connection including the plurality of client data between the second messaging client and the message server.

22. A method for providing continuity between a plurality of messaging clients as recited in claim 21 further comprising:

15 authenticating an account user by the first messaging client using an authentication key prior to the transferring step.

transferring the authentication key from the first messaging client to the second messaging client; and

20 authenticating the account user by the second messaging client using the authentication key.

23. A method for providing continuity between a plurality of messaging clients as recited in claim 21 wherein the plurality of client data includes a plurality of contact data, and further wherein the plurality of contact data comprises at least one account identifier.

24. A method for providing continuity between a plurality of messaging clients as recited in claim 23 wherein the plurality of contact data further comprises a contact information for the at least one account identifier.

25. A method for providing continuity between a plurality of messaging clients as recited in claim 21 wherein the plurality of client data includes at least one user preference.

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27. Within a messaging communication system having a plurality of messaging clients, a method for providing continuity between the plurality of messaging clients comprising:

5 establishing a first communication connection for a first messaging client;
 establishing at least one messaging session having a session identifier between the first messaging client and at least one other messaging client of the plurality of messaging clients;
 transferring a plurality of session data for the first session connection including the
10 session identifier from the first messaging client to a second messaging client;
 establishing a second communication connection including the plurality of session data for the second messaging client; and
 participating in the at least one messaging session in the second communication connection using the session identifier.

15 28. A method for providing continuity between a plurality of messaging clients as recited in claim 27 further comprising:

 sending a notification of session data transfer to at least one other messaging client participating in the at least one messaging session.

20 29. A method for providing continuity between a plurality of messaging clients as recited in claim 28 wherein the notification includes a client profile of the second messaging client.

25 30. A method for providing continuity between a plurality of messaging clients as recited in claim 28 wherein the notification is sent from the first messaging client.

 31. A method for providing continuity between a plurality of messaging clients as recited in claim 28 wherein the notification is sent from the second messaging client.

30 32. A method for providing continuity between a plurality of messaging clients as recited in claim 28 wherein the messaging communication system further includes a messaging server, and further wherein the notification is sent from the messaging server.

33. A method for providing continuity between a plurality of messaging clients as recited in claim 28 further comprising:

5 informing an account user of the session data transfer by the at least one other messaging client in response to receiving the notification.

34. A method for providing continuity between a plurality of messaging clients as recited in claim 27 wherein the messaging session includes a session history having at least one session portion, and further wherein the plurality of session data further includes the
10 session portion.

35. A method for providing continuity between a plurality of messaging clients as recited in claim 34 further comprising prior to the transferring step, sending from the second messaging client to the first messaging client a session data requirement, wherein the session
15 portion is determined using the session data requirement.

36. A method for providing continuity between a plurality of messaging clients as recited in claim 27 wherein the plurality of session data further includes a session priority indicator, wherein the session priority indicator determines a priority of the messaging
20 session within the messaging communication system.

37. A method for providing continuity between a plurality of messaging clients as recited in claim 27 wherein the plurality of session data further includes a session priority indicator, wherein the session priority indicator determines a priority of the messaging
25 session within the second messaging client.

38. A method for providing continuity between a plurality of messaging clients as recited in claim 27 wherein the plurality of session data includes at least one user preference.

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39. A method for providing continuity between a plurality of messaging clients as recited in claim 27 further comprising:

- 5 sending a notification of session data transfer, wherein the notification includes a client profile for the second messaging client; and
- 10 sending a plurality of content to the second messaging client using the client profile.

40. A method for providing continuity between a plurality of messaging clients as recited in claim 39 wherein the notification is sent from the first messaging client and the plurality of content is sent from at least one other messaging client.

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41. Within a messaging communication system having a plurality of messaging clients, a method for providing continuity between the plurality of messaging clients comprising:

5 establishing a first communication connection for a first messaging client;
 establishing a plurality of messaging sessions each having a session identifier
between the first messaging client and at least one of the plurality of messaging clients;
 transferring a plurality of client data for the first communication connection
including at least one session identifier for at least one messaging session from the first
10 messaging client to a second messaging client;
 establishing a second communication connection including the plurality of client data
for the second messaging client; and
 participating in the at least one messaging session in the second communication
connection using the session identifier.

15 42. A method for providing continuity between a plurality of messaging clients as
recited in claim 41 further comprising:

 sending a notification of data transfer to at least one of the plurality of messaging
clients participating in the at least one messaging session.

20 43. A method for providing continuity between a plurality of messaging clients as
recited in claim 42 wherein the notification is sent from the first messaging client.

25 44. A method for providing continuity between a plurality of messaging clients as
recited in claim 42 wherein the notification is sent from the second messaging client.

30 45. A method for providing continuity between a plurality of messaging clients as
recited in claim 42 wherein the notification includes a client profile of the second messaging
client.

46. A method for providing continuity between a plurality of messaging clients as recited in claim 41 further comprising:

5 sending a notification of data transfer, wherein the notification includes a client profile for the second messaging client; and
sending a plurality of content to the second messaging client using the client profile.

47. A method for providing continuity between a plurality of messaging clients as recited in claim 41 wherein the messaging session includes a session history having at least
10 one session portion, and further wherein the plurality of client data further includes the session portion.

48. A method for providing continuity between a plurality of messaging clients as recited in claim 47 further comprising prior to the transferring step, sending from the second
15 messaging client to the first messaging client a client data requirement, wherein the session portion is determined using the client data requirement.

49. A method for providing continuity between a plurality of messaging clients as recited in claim 41 wherein the plurality of client data further includes a session priority
20 indicator, wherein the session priority indicator determines the priority of the messaging session within the messaging communication system.

50. A method for providing continuity between a plurality of messaging clients as recited in claim 42 wherein the plurality of client data includes at least one user preference.

5 establishing a first communication connection for a first messaging client;
 establishing at least one messaging session having a session identifier between the
first messaging client and at least one other messaging client of the plurality of messaging
clients;
 transferring a plurality of client data for the first communication connection
10 including the session identifier from the first messaging client to a second messaging client;
 establishing a second communication connection including the plurality of client data
for the second messaging client; and
 adding the second messaging client to the at least one messaging session using the
session identifier.

15

52. Within a messaging communication system having a message server for managing a plurality of multiple user messaging sessions, wherein the multiple user messaging sessions comprise communication of a plurality of session messages among a plurality of messaging clients, a method for providing continuity between the plurality of messaging clients comprising:

establishing a first communication connection for a first messaging client within a multiple user messaging session of the message server;

transferring a plurality of client data for the first communication connection from the first messaging client to a second messaging client;

sending a data transfer message to the message server wherein the data transfer message includes a session reservation for the second messaging client; and

establishing a second communication connection for the second messaging client within the multiple user messaging session of the message server using the plurality of client data.

53. A method for providing continuity between a plurality of messaging clients as recited in claim 52 wherein the first messaging client has a first client identifier, wherein the multiple user messaging session has a session identifier, wherein the second messaging client has a second client identifier, wherein the plurality of client data includes the session identifier, and further wherein the data transfer message includes the session identifier, the first client identifier, and the second client identifier.

54. A method for providing continuity between a plurality of messaging clients as recited in claim 53, wherein the multiple user messaging session includes at least one other messaging client, the method further comprising:

sending a notification of data transfer to the at least one other messaging client.

55. A plurality of messaging clients within a messaging communication system for providing continuity between the plurality of messaging clients comprising:

a first messaging client, for establishing a first communication connection including a plurality of client data; and

a second messaging client for receiving the plurality of client data from the first messaging client and for establishing a second communication connection including the plurality of client data.

56. A plurality of messaging clients as recited in claim 55 wherein the first messaging client operates within a first messaging device and the second messaging client operates within a second messaging device.

57. A plurality of messaging clients as recited in claim 56 wherein the first messaging device includes:

a memory coupled to the first messaging client for storing the plurality of client data, wherein the first messaging client accesses the plurality of client data from the memory, and further wherein the first messaging client transfers the plurality of client data to the second messaging device.

58. A plurality of messaging clients as recited in claim 56 wherein the first messaging device includes:

a memory coupled to the first messaging client for storing the plurality of client data, wherein the first messaging client accesses the plurality of client data from the memory, and

a data transfer application coupled to the first messaging client for transferring the plurality of client data to the second messaging device.

59. A plurality of messaging clients as recited in claim 56 wherein the second messaging device includes:

a memory coupled to the second messaging client, wherein the second messaging client receives the plurality of client data and stores the plurality of client data in the memory.

60. A plurality of messaging clients as recited in claim 56 wherein the second messaging device includes:

a data transfer application coupled to the second messaging client for receiving the plurality of client data, wherein the second messaging client processes the received plurality of client data, and

a memory coupled to the second messaging client for storing the plurality of client data.

61. A plurality of messaging clients as recited in claim 56 wherein the first messaging device is a fixed device and further wherein the second device is a mobile device.

62. A plurality of messaging clients as recited in claim 56 wherein the first messaging device includes a first memory interconnect for connecting the first messaging device to a memory storage device, wherein the second messaging device includes a second memory interconnect for connecting the second messaging device to the memory storage device, wherein the first messaging device stores the plurality of client data on the memory storage device, and further wherein the second messaging device receives the plurality of client data from the memory storage device connecting to the second memory interconnect.

63. A plurality of messaging clients as recited in claim 62 wherein the first messaging client and the second messaging client operate within a messaging device.

64. A messaging communication system for providing continuity between a plurality of messaging clients comprising:

the plurality of messaging clients including:

5 a first messaging client,
 a second messaging client, and
 at least one other messaging client;

a message server for managing the communication of a plurality of session messages among the plurality of messaging clients, wherein the message server is programmed to:

10 establish a first communication connection for the first messaging client,
 establish at least one messaging session having a session identifier between the

first messaging client and the at least one other messaging client,

15 transfer a plurality of client data for the first communication connection including the session identifier from the first messaging client to the second messaging client,

 establish a second communication connection including the plurality of client data for the second messaging client, and

 transfer the at least one messaging session from the first messaging client to the second messaging client using the session identifier.

20 65. A messaging communication system for providing continuity between a plurality of messaging clients as recited in claim 64 wherein the message server includes a server memory, wherein the first messaging client stores the plurality of client data in the server memory, and further wherein the second messaging client retrieves the plurality of
25 client data from the server memory for use in the operation of the second communication connection.

30 66. A messaging communication system as recited in claim 64 wherein the first messaging client operates within a first messaging device and the second messaging client operates within a second messaging device.

67. A messaging communication system as recited in claim 64 wherein the first messaging client and the second messaging client operate within a messaging device.

68. A messaging communication system as recited in claim 64 wherein the messaging communication system comprises a first messaging system and a second messaging system, wherein the first messaging client functions within the first messaging system, and further wherein the second messaging client functions within the second messaging system.

69. A messaging communication system as recited in claim 68 wherein the first messaging system comprises a wired messaging system and further wherein the second messaging system comprises a wireless messaging system.

70. A messaging communication system as recited in claim 68 wherein the first messaging system comprises a wireless messaging system and further wherein the second messaging system comprises a wired messaging system.

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71. A messaging communication system for providing continuity between a plurality of messaging clients comprising:

the plurality of messaging clients including:

- 5 a first messaging client for establishing a first communication connection including a plurality of client data, and
- a second messaging client for establishing a second communication connection including the plurality of client data; and
- a server memory coupled to the plurality of messaging clients, wherein the first
- 10 messaging client stores the plurality of client data in the server memory, and further wherein the second messaging client retrieves the plurality of client data from the server memory for use in the operation of the second communication connection.

72. A messaging communication system as recited in claim 71 wherein the server
- 15 memory is contained within a message server of the messaging communication system.

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**SYSTEM FOR PROVIDING CONTINUITY BETWEEN MESSAGING CLIENTS
AND METHOD THEREFOR**

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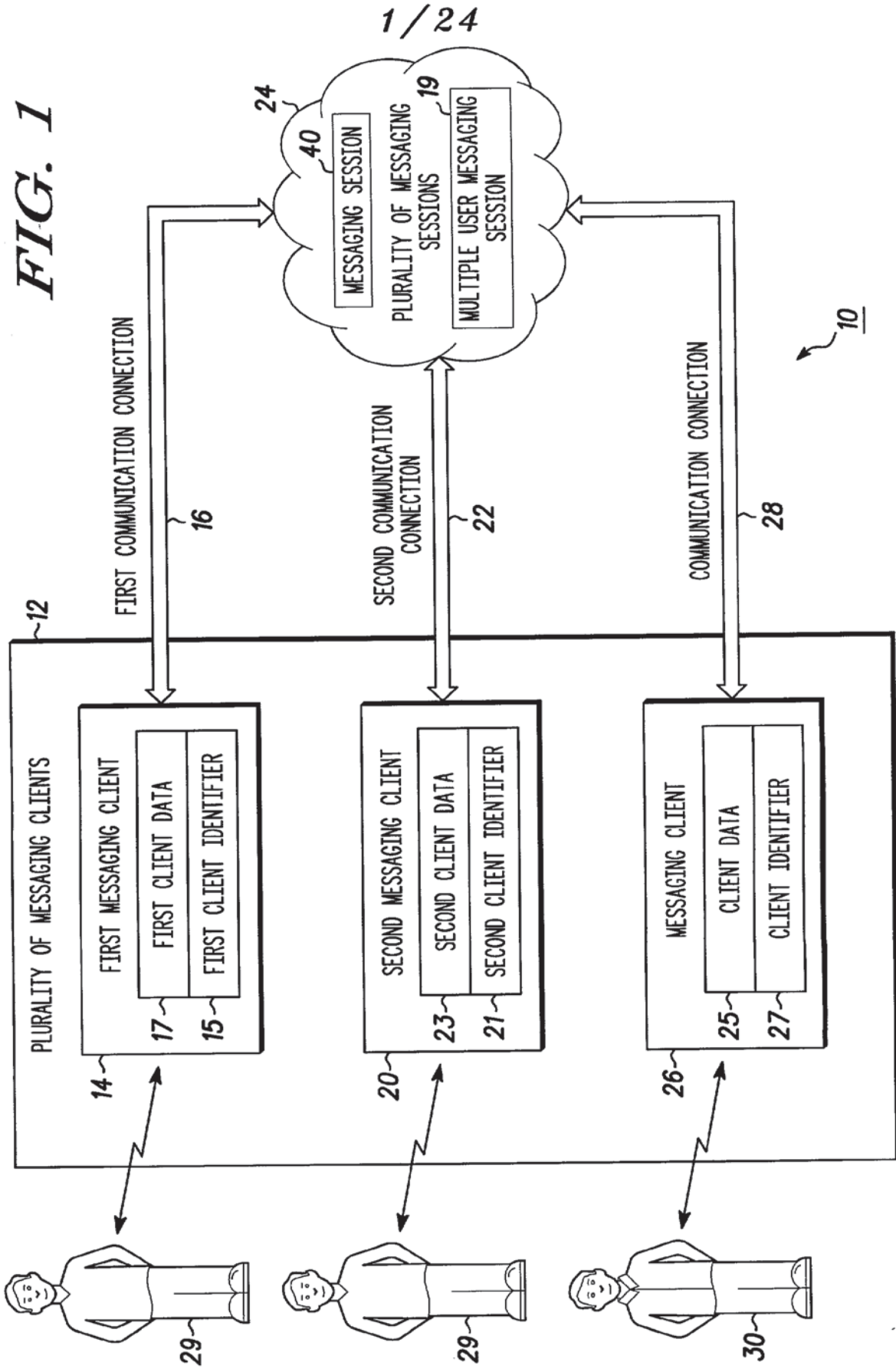
Abstract of the Disclosure

A messaging communication system (10) includes a plurality of messaging clients (12). A first messaging client (14) establishes a first communication connection (16) operating using a plurality of client data (25). The first messaging client (14) transfers the plurality of client data (25) to a second messaging client (20). The second messaging client (20) establishes a second communication connection (22) operating using the plurality of client data (25).

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FIG. 1



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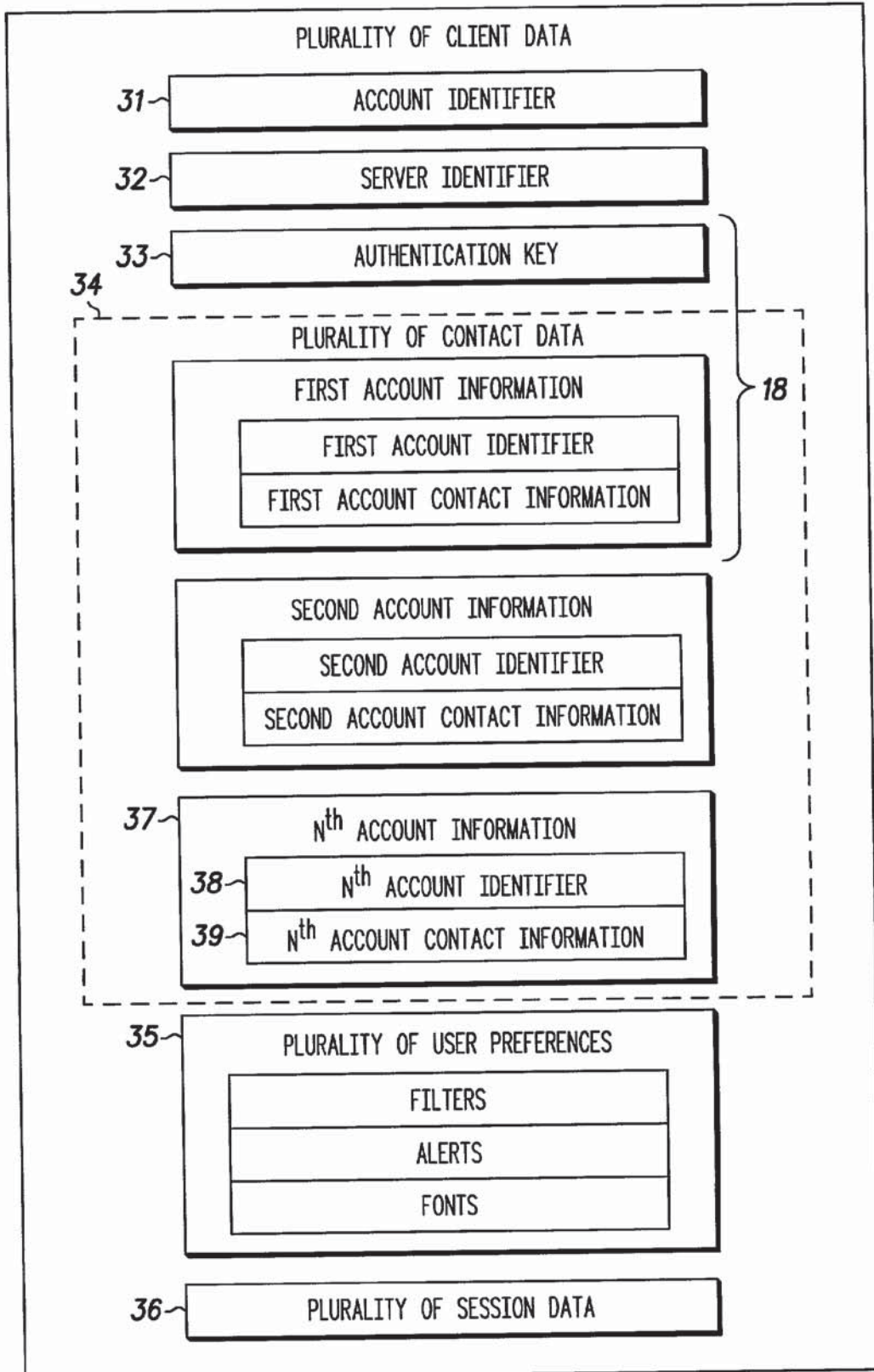
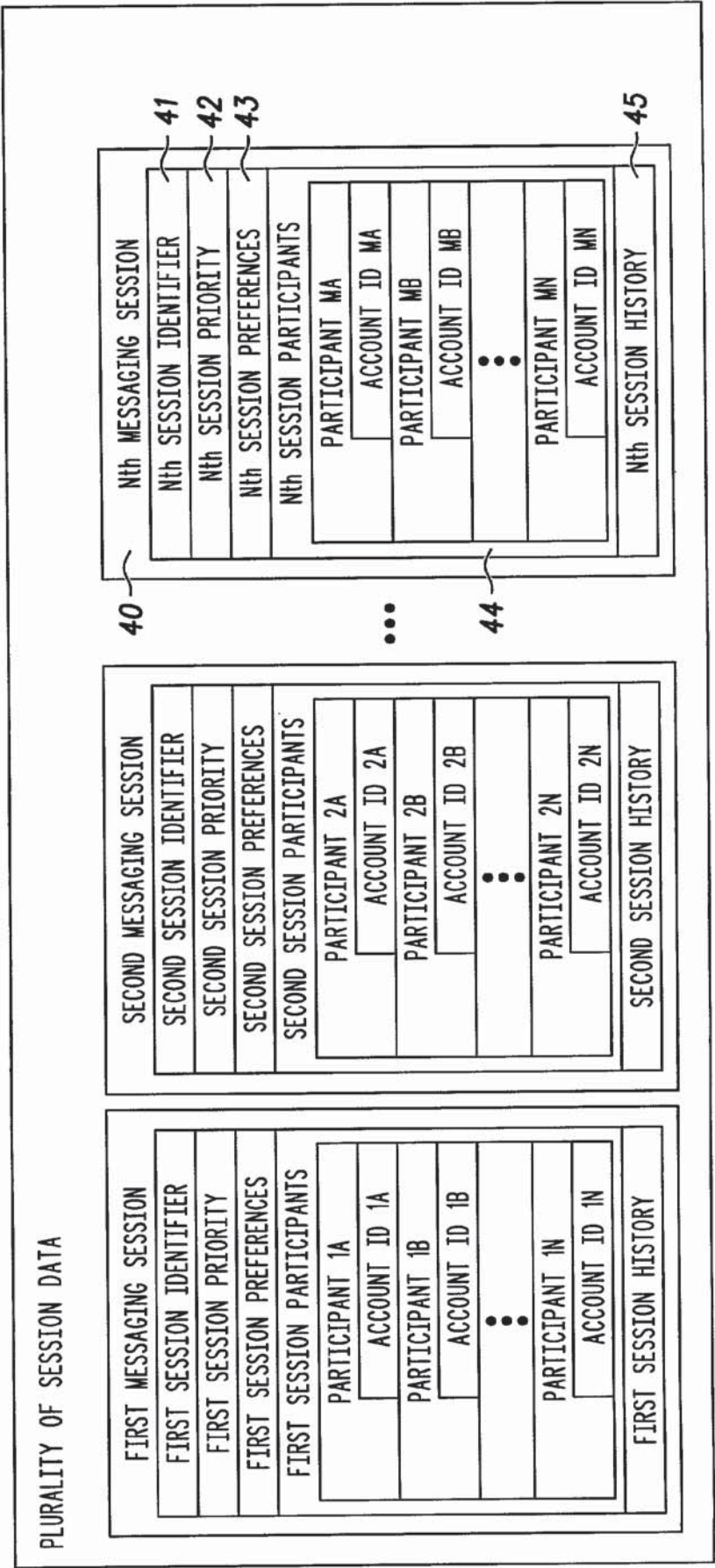


FIG.2



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FIG.3

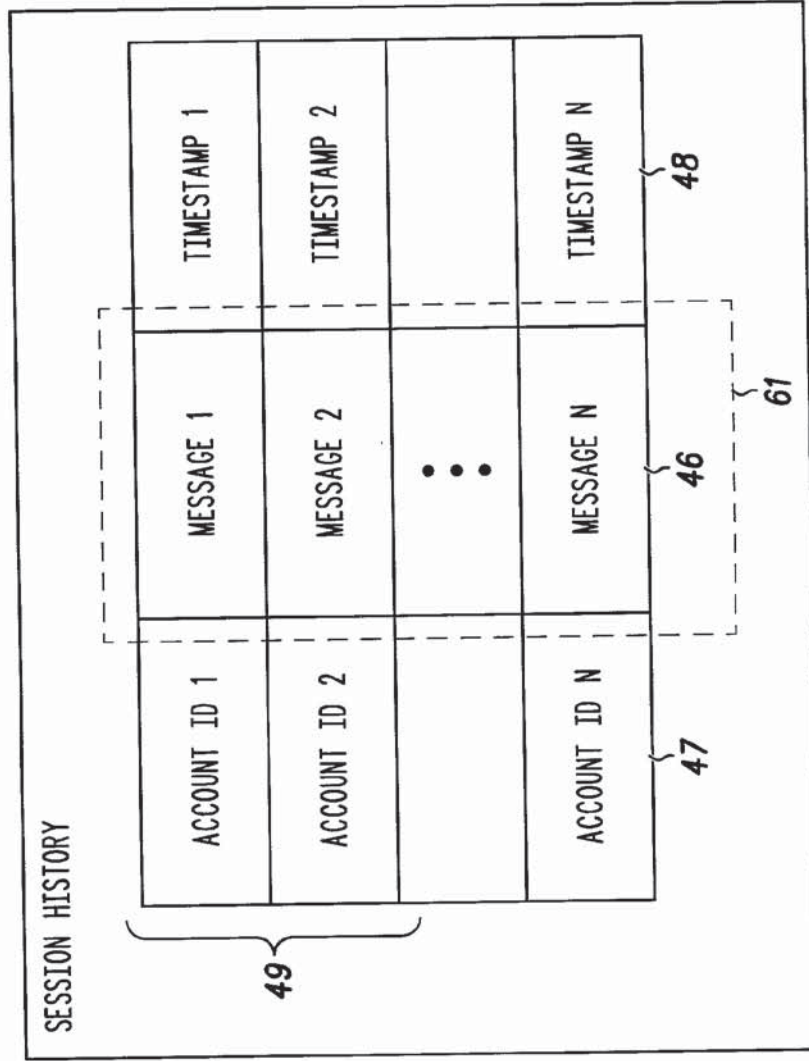


FIG. 4

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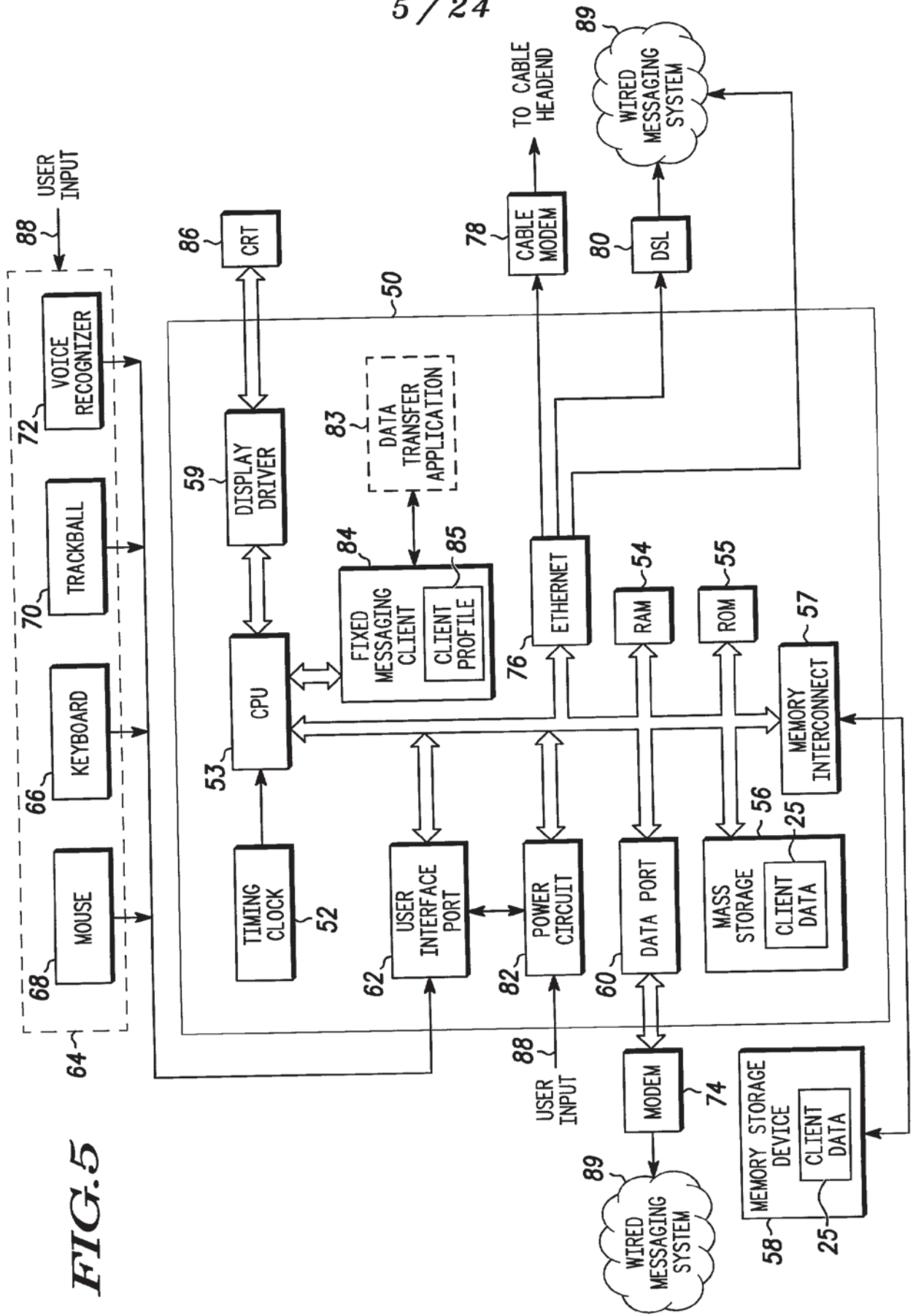
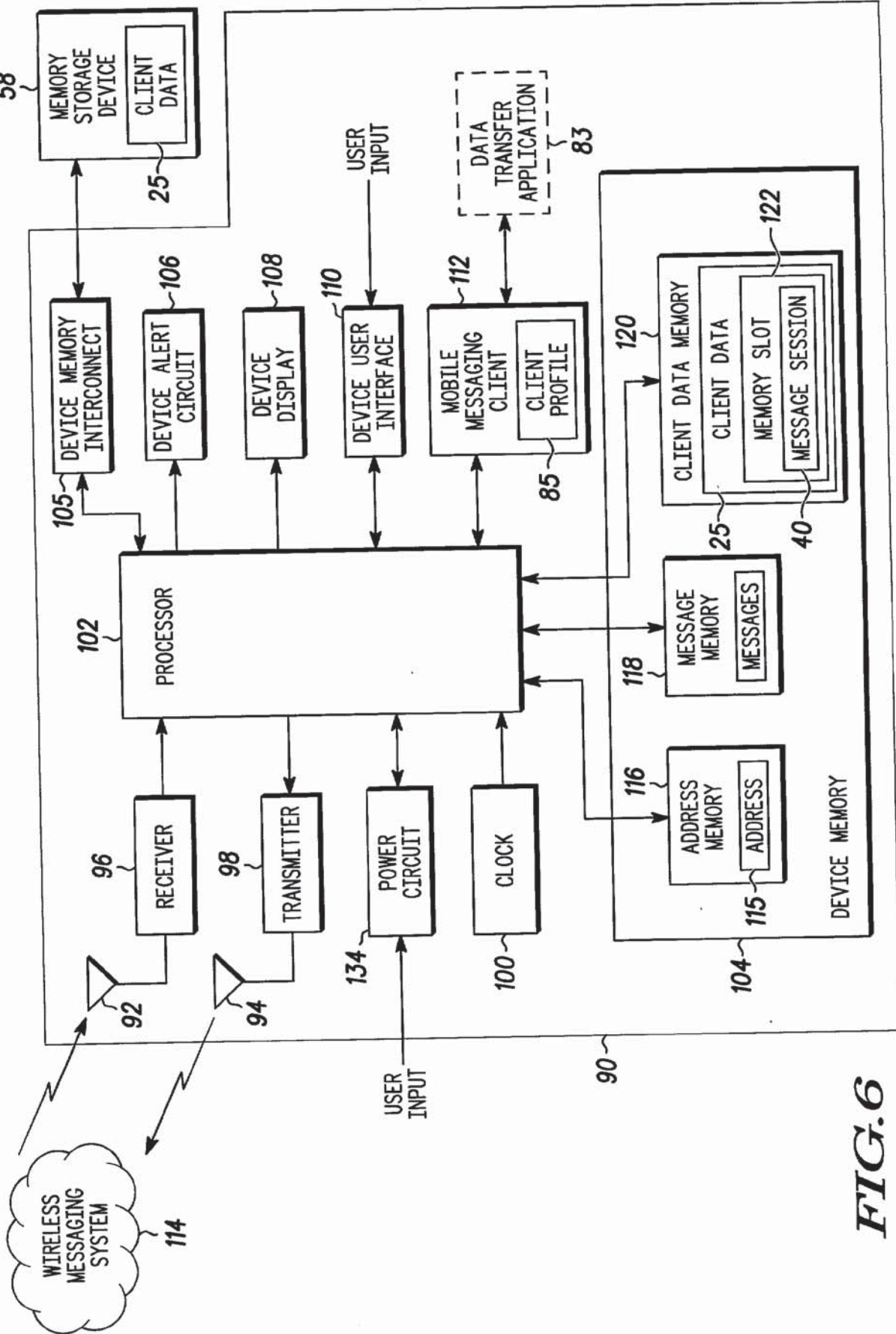


FIG. 5

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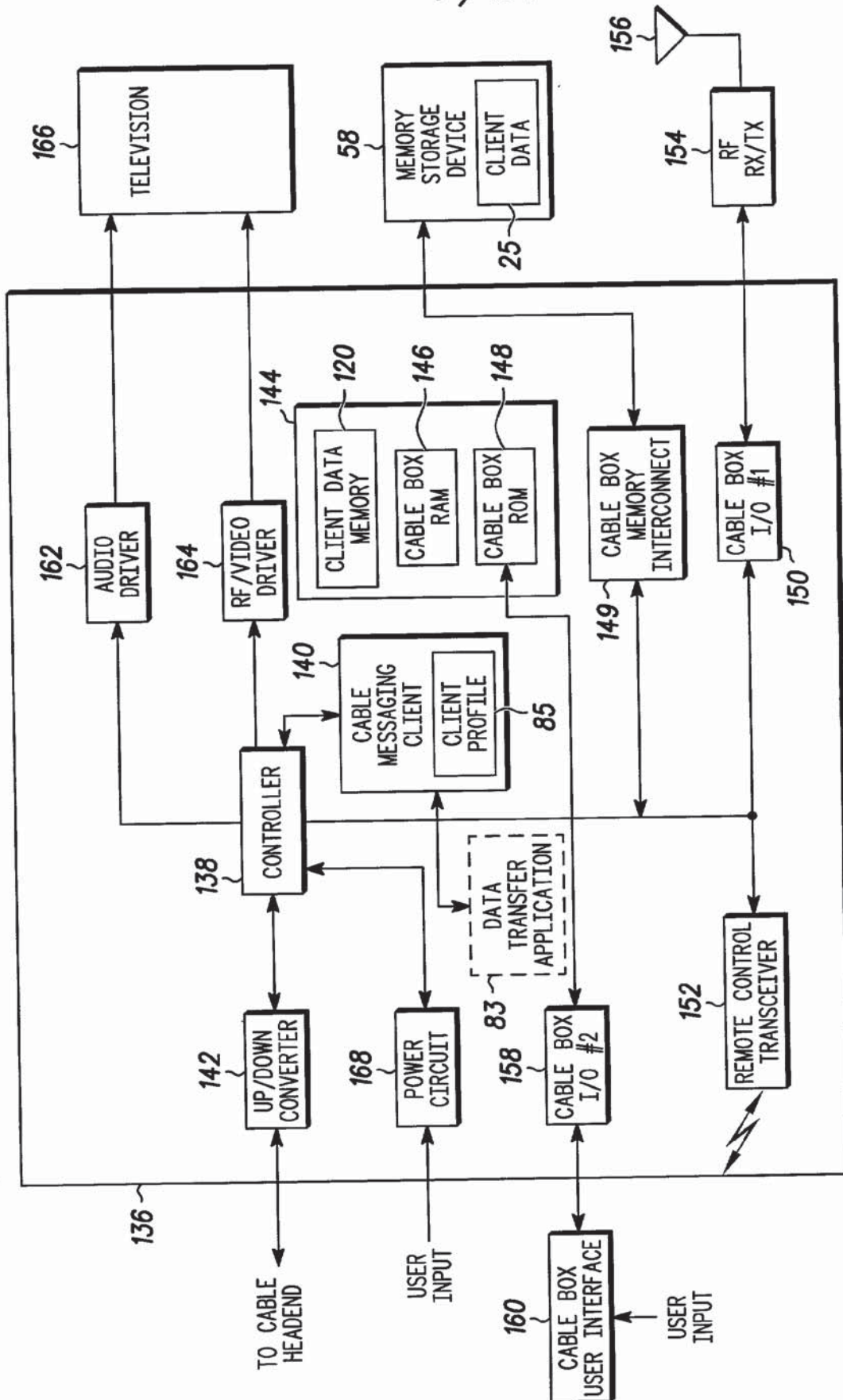


FIG. 7

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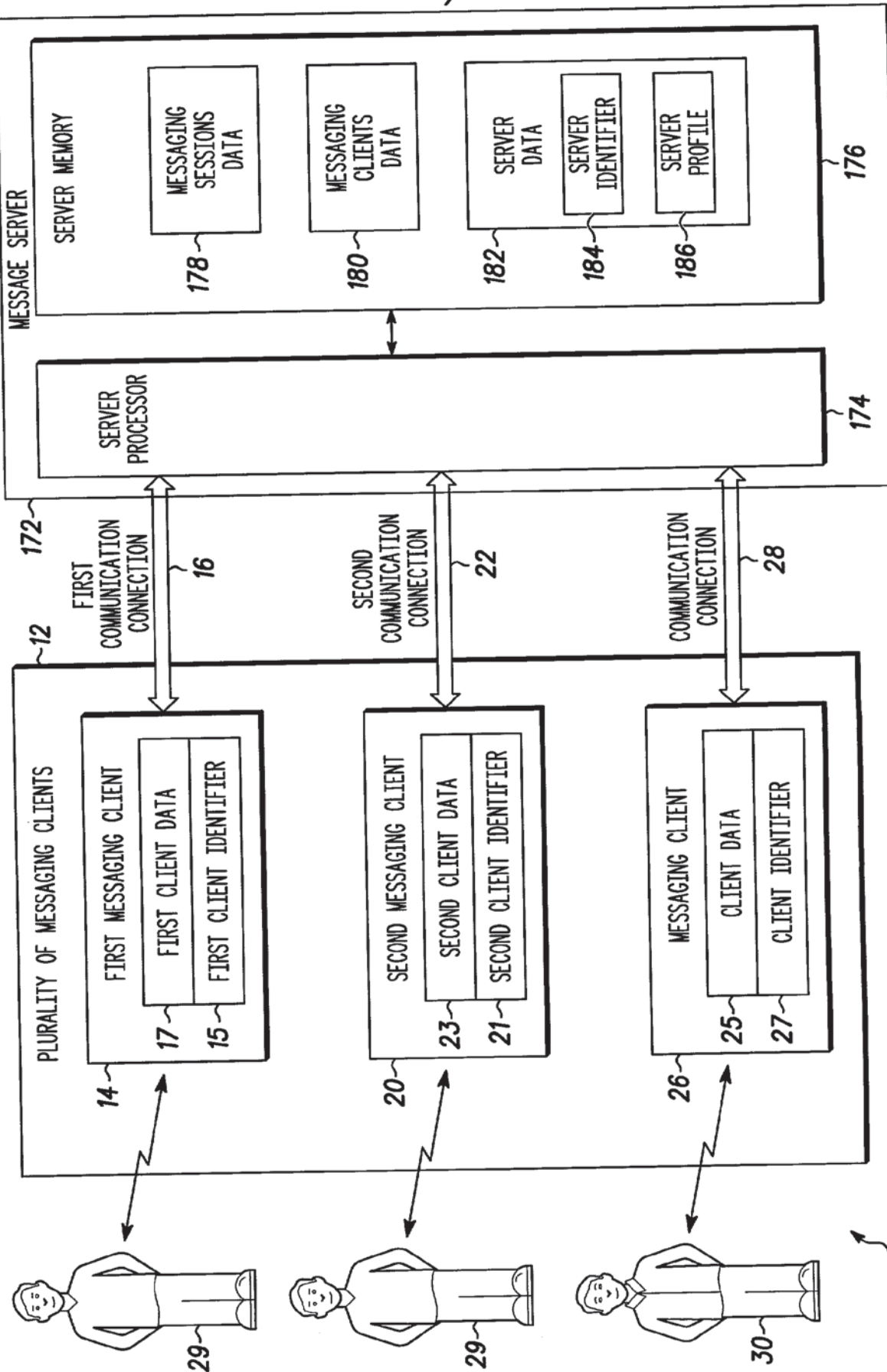
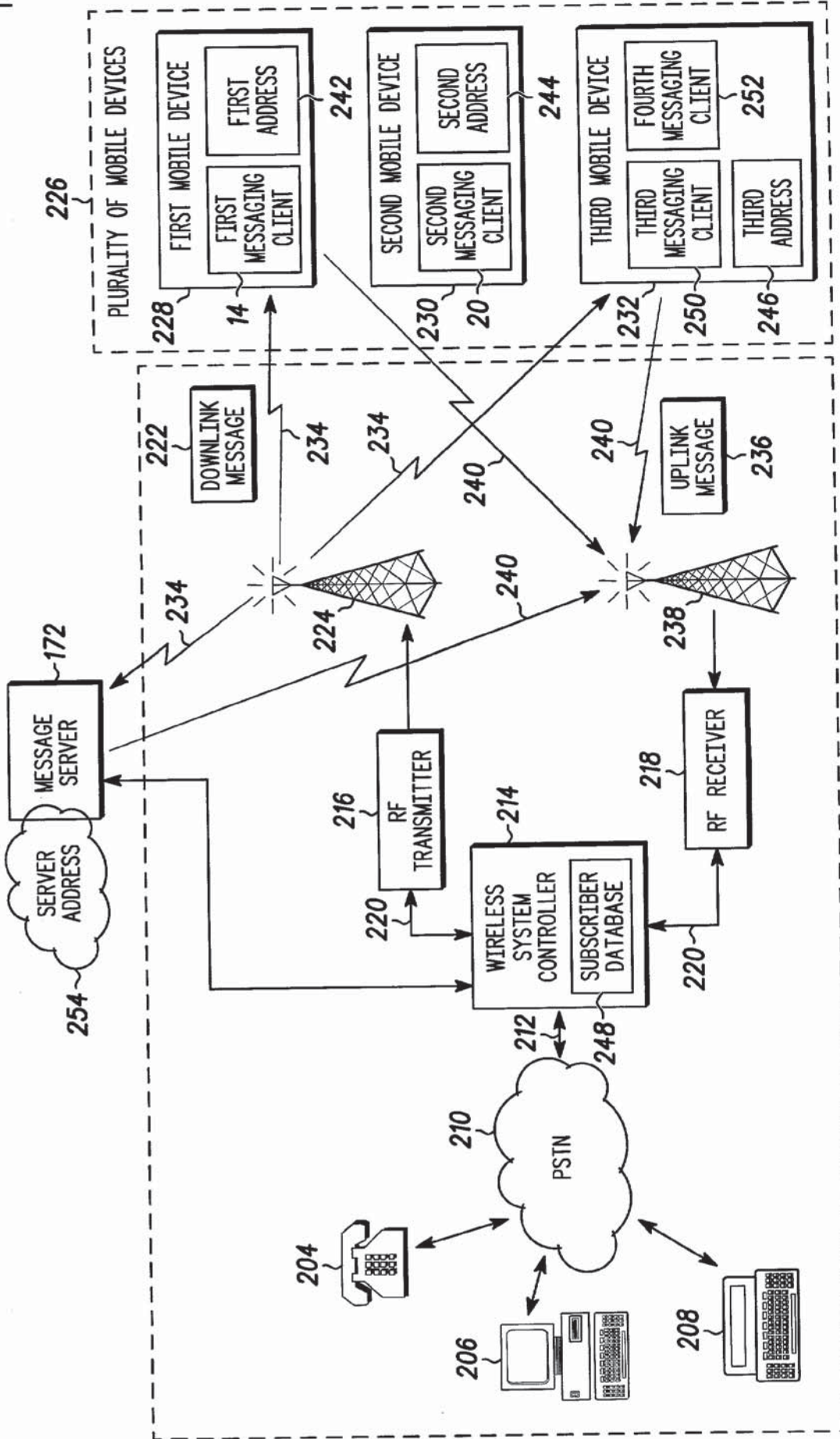


FIG. 8



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FIG. 9

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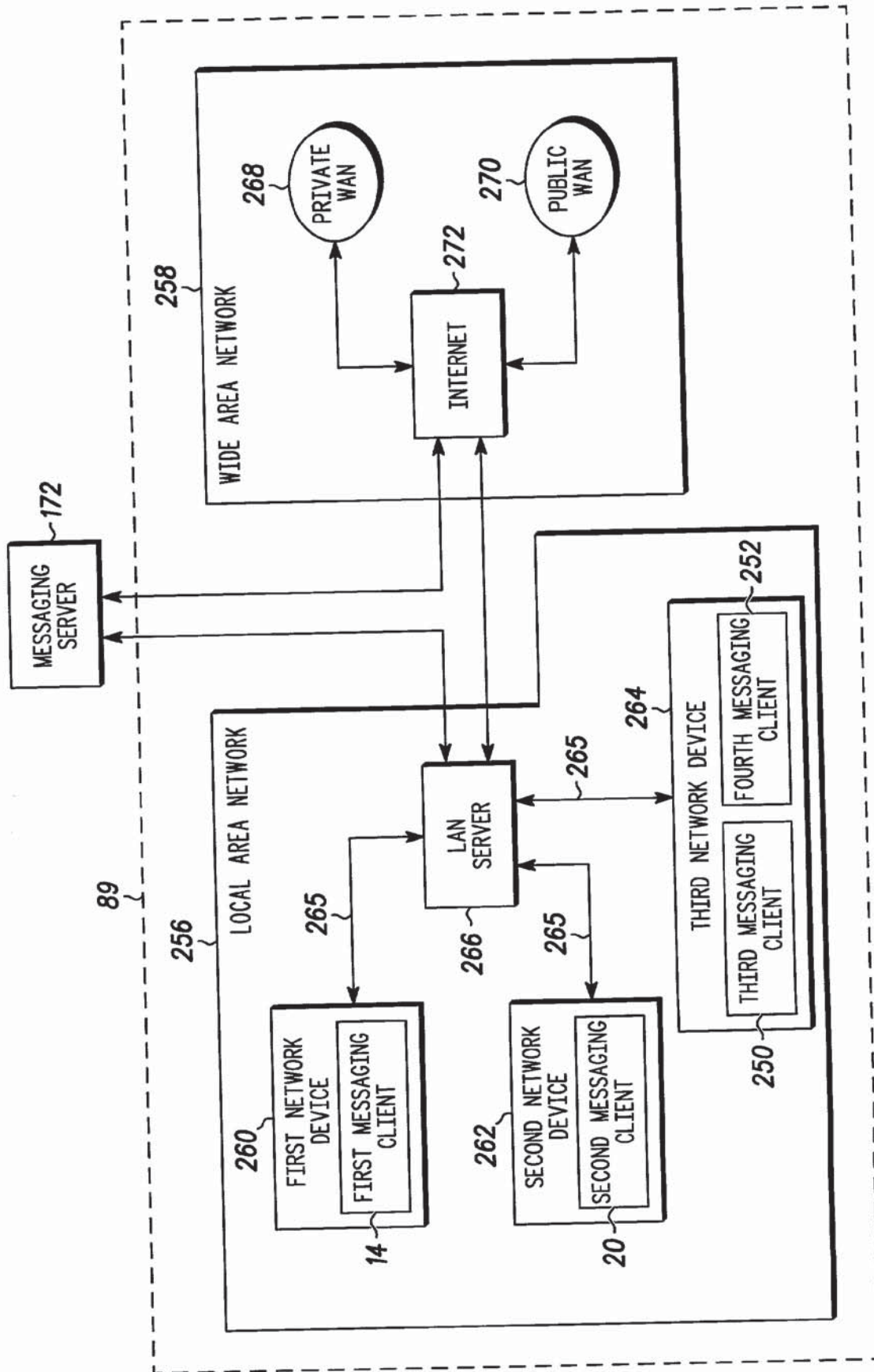
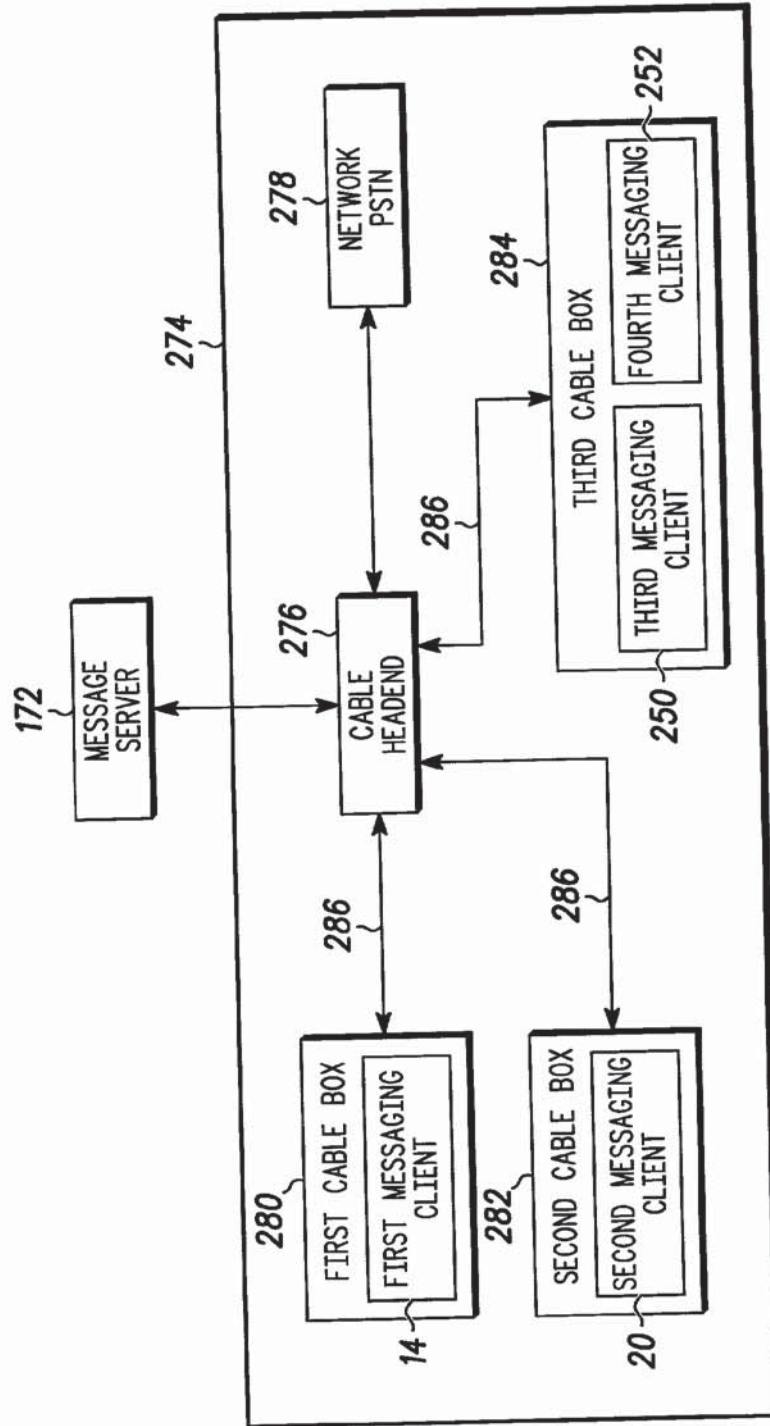


FIG. 10



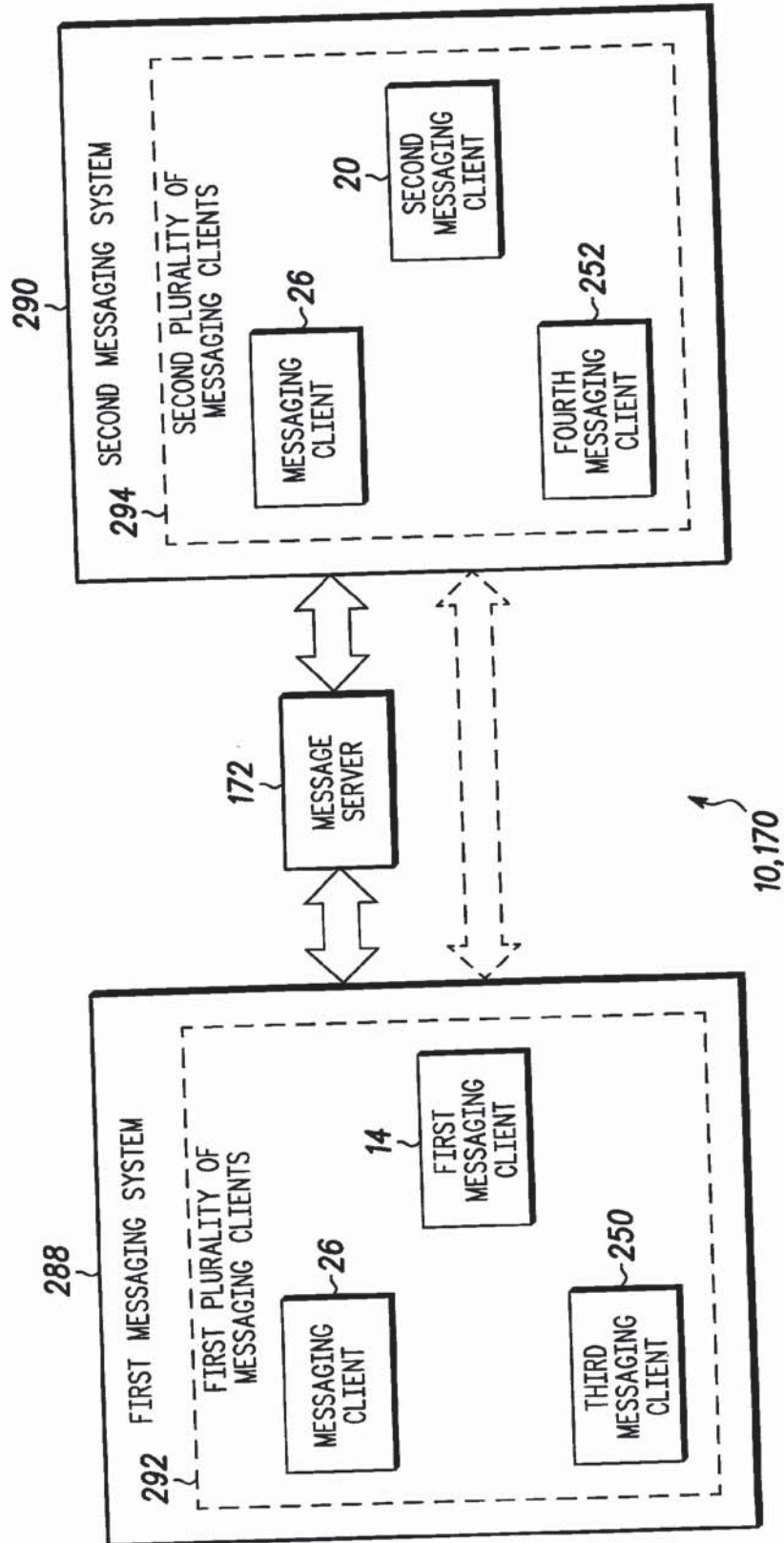


FIG. 12



FIG.13

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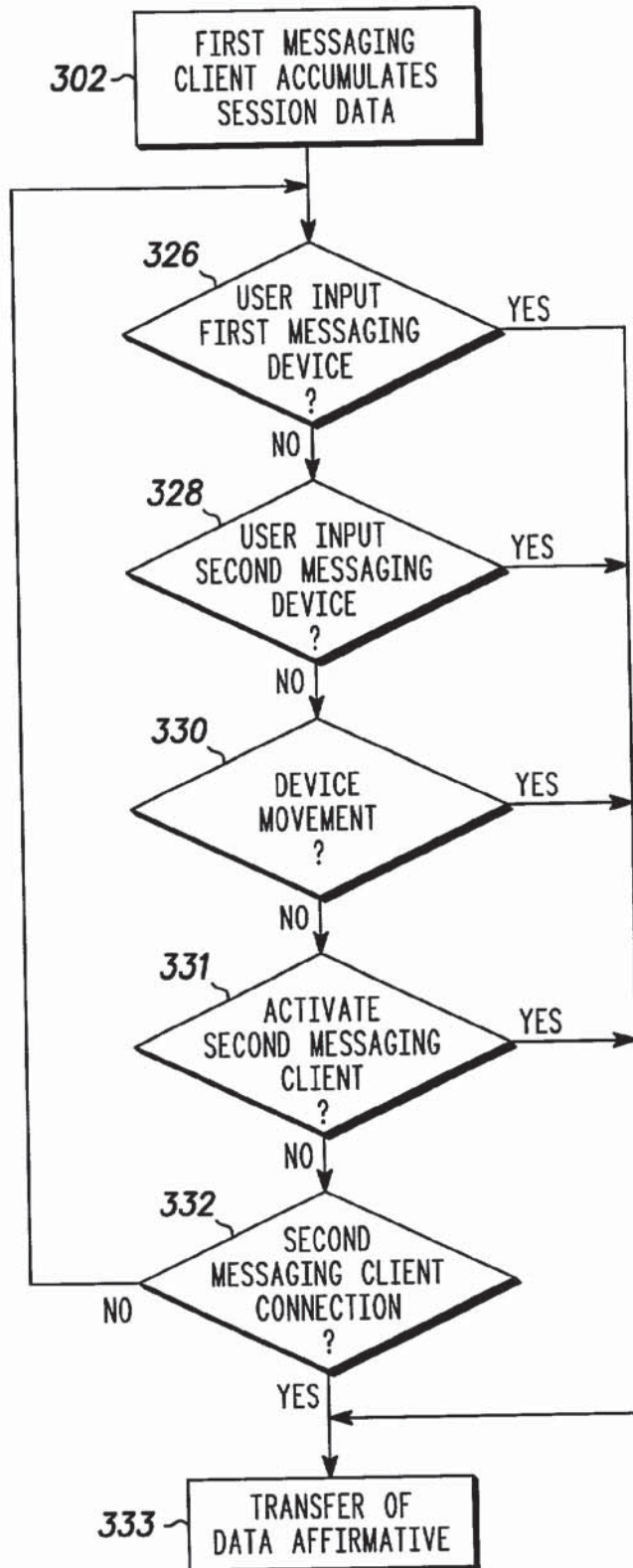


FIG.14

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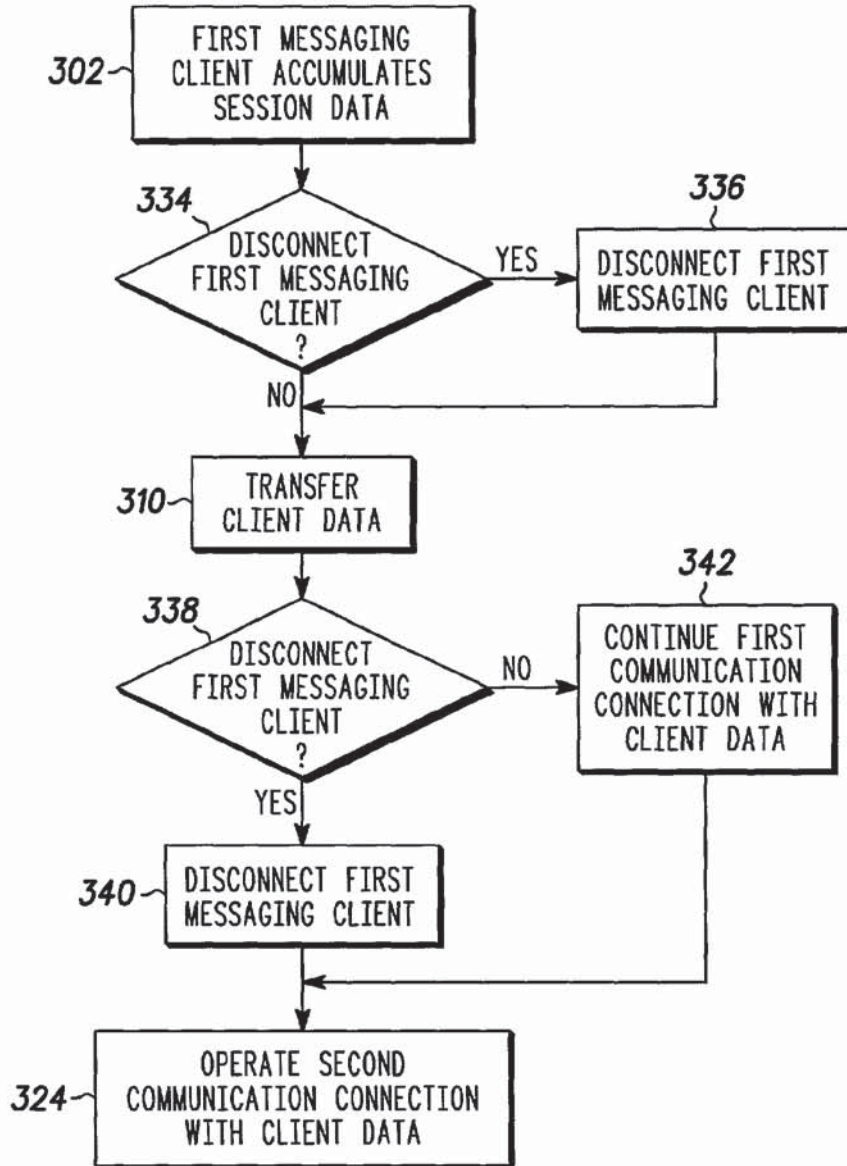


FIG.15

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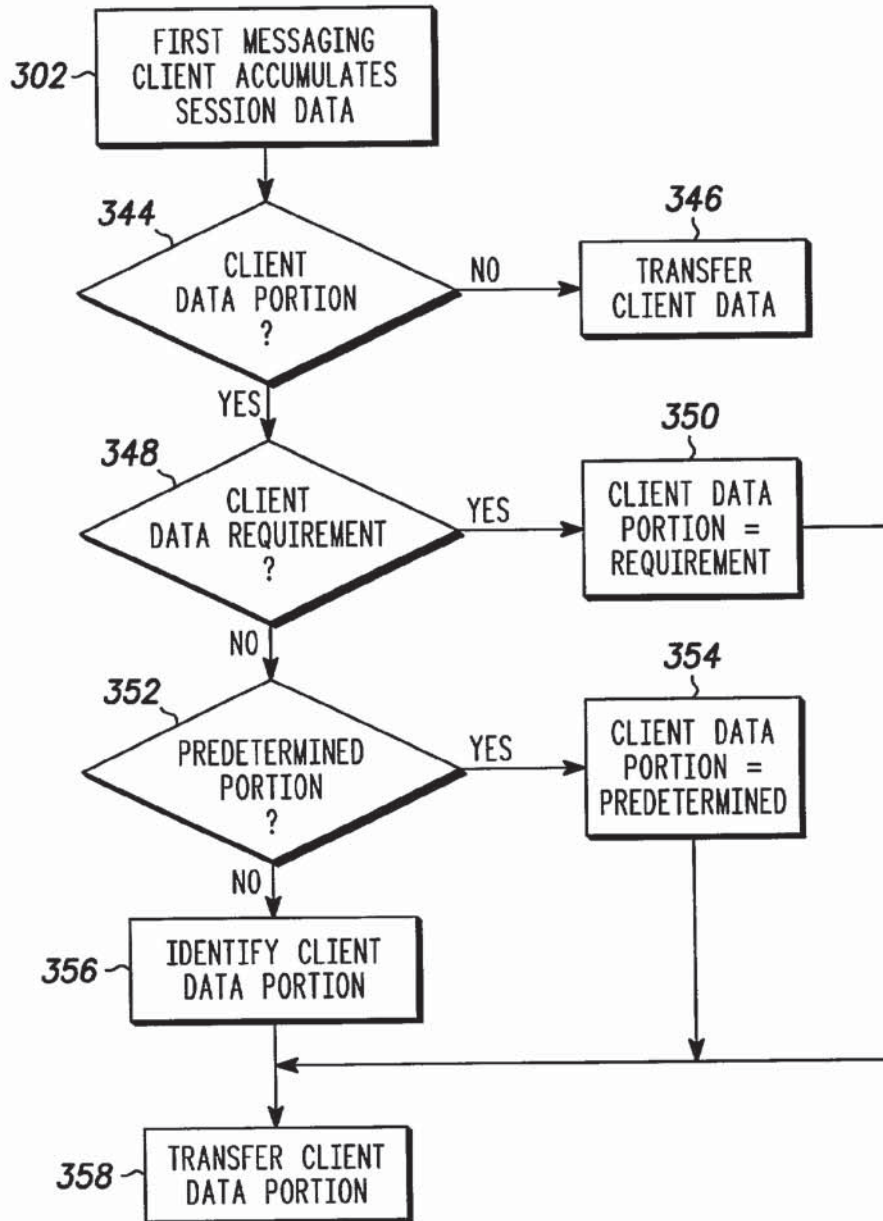


FIG.16