

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
28 March 2002 (28.03.2002)

PCT

(10) International Publication Number
WO 02/25912 A2

- (51) International Patent Classification⁷: **H04M 3/00**
- (21) International Application Number: PCT/US01/29294
- (22) International Filing Date:
20 September 2001 (20.09.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
09/665,839 20 September 2000 (20.09.2000) US
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 09/665,839 (CON)
Filed on 20 September 2000 (20.09.2000)
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- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*



WO 02/25912 A2

(54) Title: SIMULTANEOUS TELEPHONE RING APPARATUS AND METHOD

(57) Abstract: Methods and apparatus for a simultaneous ring system. The system is configured to be coupled to the end-user line of the telephone network. In response to receiving an incoming call on the user-line, the simultaneous ring system simultaneously ring target phone numbers associated with the telephone number and transfers the telephone call to the telephone network if a connection to one of the target phone numbers is made. These and other advantages of the present invention will become apparent upon reading the following detailed descriptions and studying the various figures of the drawings.

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SIMULTANEOUS TELEPHONE RING
APPARATUS AND METHOD

Inventors: Robert G. Meldrum and James R. Cheshire

This application claims priority of U. S. Patent Application No. 09/665,839, filed September 20, 2000, entitled Simultaneous Telephone Ring Apparatus and Method.

BACKGROUND OF THE INVENTION

1. Field of Invention

The present invention relates generally to telephone communication systems, and more particularly, the present invention relates to a simultaneous telephone ring system and method.

2. Description of the Related Art

Trends such as telecommuting, virtual offices, contract employment, etc. have led to the proliferation of both land-based and cellular phone services. It is not uncommon for a person to have different telephone numbers at their corporate office, their home office, their home, and one or more cell phone numbers. Callers are therefore often required to dial multiple numbers in order to reach a person. This is not only a waste of time, but expensive. A number of prior "simultaneous ring" systems have been proposed.

One type of known simultaneous ring system relies on an Advanced Intelligent Network (AIN), which is a computer (or set of computers) that is integrated into the (typically Signaling System Seven (SS7)) control network of a phone company. For example at Cincinnati Bell Telephone, an AIN system has been

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programmed to implement a simultaneous ring service. When a call to a telephone number with the simultaneous ring service is placed on the SS7 telephone network, the AIN looks up the associated target telephone numbers in a database and rings each number. If one of the phones is answered, a talk path is established and the calls to the other target telephone numbers are terminated. This arrangement, however, has several drawbacks. AIN systems are very expensive, complicated, and difficult to maintain. The AIN system also has to be integrated into the SS7 telephone network and therefore has to be implemented by the phone company.

Another type of known simultaneous ring system relies on a PBX or some other type of central switching device which associates one or more target phone numbers with an incoming telephone number. When a telephone call on the incoming number is received, the central switching device places a call to each of the target phone numbers. If one of the target phone numbers is answered, a link through the switching device to the target number is established. This arrangement, which is sometimes referred to as "conferencing" or "bridging", requires the central switch to maintain the link for the entire duration of the telephone call. Consequently conferencing or bridging is expensive because phone service charges are accrued during the entire duration of the phone call.

A simultaneous ring system and method that connects to a telephone company network over a standard end-user service line and which performs a call transfer using the telephone company network when a connection is made with a target phone number, thereby avoiding conferencing or bridging, is therefore needed.

SUMMARY OF THE INVENTION

The present invention relates to an apparatus and method for providing simultaneous ring services for a telephone number associated with an end-user line of a telephone network. The system includes a simultaneous ring system configured to couple the incoming caller line to the answering (or default) end-user line of the telephone network. In response to receiving an incoming call on the user-line, the

simultaneous ring system simultaneously rings target phone numbers associated with the telephone number and then transfers the telephone call to the telephone network if a connection to one of the target phone numbers is made. If a connection is not made (e.g., the call is not answered), the incoming call is transferred to the user's default target, which is typically their Voice Mail. These and other advantages of the present invention will become apparent upon reading the following detailed descriptions and studying the various figures of the drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

The invention may best be understood by reference to the following description taken in conjunction with the accompanying drawings in which:

Figure 1 is a diagram of the simultaneous ring system of the present invention coupled between a telephone company phone network and the Internet.

Figure 2 is a block diagram of the simultaneous ring system of the present invention.

Figure 3 is block diagram of simultaneous ring modules contained within the simultaneous ring system.

Figure 4 is a flow diagram illustrating the operation of the simultaneous ring system of the present invention.

Figure 5 is a block diagram of a database hierarchy used in the simultaneous ring system of the present invention.

Figure 6 is a block diagram of a network of simultaneous ring systems according to one embodiment of the present invention.

Figures 7A through 7J are screen shots of exemplary web pages hosted by the simultaneous ring system for signing up for the simultaneous ring service and administering an existing account on the simultaneous ring service of the present invention.

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provides an interface between the voice card 30 and the server 32. The database 38 is accessible by both the server 32 and by Internet users through the web server 40. In alternative embodiments, the number of channels provided on the user telephone line 16 may vary depending on the number of subscribers to the simultaneous ring system 10 and the amount of incoming telephone calls. In the situations where the number of subscribers and incoming telephone call traffic is high, multiple user telephone lines 16 and voice cards 30 may be needed.

In one embodiment, the user telephone line 16 provides a Primary Rate Interface (PRI) service between the telephone network 12 and the simultaneous ring system 10. With the PRI service, a large number of telephone numbers (e.g., 500 or more) are associated with the telephone line 16. Telephone calls received by the telephone network 12 corresponding to the PRI telephone numbers are offered to the simultaneous ring system 10. With this arrangement, a simultaneous ring subscriber is assigned to one of the PRI telephone numbers. One telephone line 16 can therefore service multiple simultaneous ring subscribers. If the number of subscribers exceeds the number of telephone numbers associated with the PRI service, then additional simultaneous ring systems 10 and/or telephone lines 16 with PRI service may be added in a modular fashion so that any number of subscribers can be serviced by any of the simultaneous ring systems and/or telephone lines with PRI service.

Referring to Figure 3, a block diagram of the modules contained in the simultaneous ring software 36 is shown. The simultaneous ring software 36 includes an incoming call manager 50, an outgoing call manager 52, and a call manager 54. The incoming call manager 50 handles inbound call notification by passing the SS7 signal received on one of the incoming channels of the user telephone line 16 to the call manager 54 and generates a ringing signal so that the caller hears a ring. The call manager 54 performs a first query of the database 38 to determine if the incoming call is to a telephone number that belongs to a valid subscriber and a second database query to look up the target phone numbers if the telephone number belongs to a valid subscriber. Assuming a valid subscriber, the outgoing call manager 54 initiates the

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SS7 calls on the outbound channels of the user telephone line 16 for each of the target telephone numbers. When one of the target telephone numbers is answered or goes into some type of voice mail or automated answering machine system (through a PBX system or otherwise), the telephone network 12 notifies the outgoing call manager 52 that a call path connection has been made. In turn, the call manager 54 is notified of the connection and causes a Two-B Channel Transfer (TBCT) between the incoming caller and the connected outgoing line. When this occurs, the simultaneous ring system 10 is switched out of the connection. Consequently the simultaneous ring system 10 does not perform conferencing or bridging. In accordance with another embodiment, the simultaneous ring system 10 may maintain the connection between the caller and the target telephone number for the duration of the call if conferencing or bridging is desired.

In yet another embodiment, the outgoing call manager 52 may be configured to initiate the outgoing calls at various times to compensate for different set-up times of the target telephone numbers so that they all ring at substantially the same time. For example, a local call to a land-based phone typically takes approximately 750 milliseconds to establish a connection and to start ringing whereas a connection for long distance call may require 1,250 milliseconds or a call to a cell phone may require 4,250 milliseconds. Accordingly, the outgoing call manager 52 can be configured to introduce a dynamic delay before initiating calls to local land-base telephones until a ringing signal is detected from all the target cell phone and/or long distance telephone numbers. Alternatively, the outgoing call manager can be programmed to a configurable fixed delay so that all the target phone numbers ring at substantially the same time. For example, a call to a local land based phone may be delayed 3,500 milliseconds so that it may simultaneously ring with a target cell phone. It should be noted that the aforementioned dynamic and fixed delays are only exemplary and that a delay of any time period may be used to achieve substantial simultaneous ringing.

Referring to Figure 4, a flow diagram 60 illustrating the operation of the simultaneous ring system 10 is shown. Initially the simultaneous ring system 10

receives an incoming call (step 62) over the user telephone line 16. The simultaneous ring software 36 decodes the phone number (step 64) and then queries the database 38 (step 66) to determine if the phone number belongs to a subscriber (decision diamond 68). If the phone number does not belong to a subscriber, the processing of the incoming call is terminated (step 72). If the phone number belongs to a subscriber, the simultaneous ring system 10 then determines if the subscriber is valid (decision diamond 72). If the subscriber is not valid, the system terminates the call processing (step 74). If valid, the system 10 again queries the database 38 for the target telephone numbers associated with the incoming telephone number (step 76). Next the simultaneous ring system 10 initiates calls to the target cell phone numbers (if present), the long distance numbers (if present) (step 78) and the local land-based phone numbers (if present) (step 80). Depending on the embodiment used, the system 10 may optimally introduce either a dynamic and/or a configurable delay (step 80) before initiating the calls to the land-based local numbers so they may ring substantially simultaneously with the long distance calls or cell phone calls. Once the target phone numbers are called, the system 10 determines if one of the targets is answered (decision diamond 82). If yes, a Two B Channel Transfer (TBCT) to the target that answered is performed (step 84). If no target answers before the predetermined threshold expires (decision diamond 86), then a Two B Channel Transfer to the default target telephone number (step 88) is performed. When the Two B Channel Transfer occurs, the calls to the other targets are terminated (step 90) and the processing of the incoming call is complete (step 92).

Referring to Figure 5, a block diagram illustrating the database hierarchy 100 of the database 38 is shown. The database 38 includes a plurality of account records 102. Each account record includes information related to a billing entity for a subscriber. For example, if the billing entity is an individual, the account record 102 typically includes the billing address, information on how to bill the account (e.g., a credit card that is billed every month), and whether the user has available credit to cover outgoing toll calls to target long distance or international numbers. With

corporate accounts, the account record 102 also includes billing information, available credit, and how many subscribers are associated with the corporate account. In addition, each account record 102 includes a pointer 104 to one or more subscriber records 106. Each subscriber record 106 includes the subscriber's name, email address, user-defined password, other personal information, and a flag which determines if the subscriber is valid or not. If the account record 102 is for an individual, then only one subscriber record 106 is provided. On the other hand, if the account record 102 is for a corporation, business or other organization or entity, then multiple subscriber records 106 are provided, one for each subscriber. Each subscriber record 106 also includes a pointer 108 to a service record 110. The service record 110 includes the primary telephone number assigned to the subscriber, the target telephone number(s), associated with the primary number, and information related to each target phone number (e.g., cell, long distance, international, etc.).

Referring to Figure 6, a block diagram of a network 120 of simultaneous ring systems 10 is shown. Specifically in this example, simultaneous ring systems 10a, 10b, and 10c are provided for area codes 650, 408 and 415 respectively. A master database 122, which includes all of the account records 102, subscriber records 106 and service records 110 for the entire system 120, is coupled to each of the simultaneous ring systems 10a, 10b and 10c respectively. The database 38 in each simultaneous ring system 10a, 10b, and 10c includes a second copy of the subscriber records 106 and service records 110 for subscribers having a primary number within the 650, 408, and 415 area code respectively. With this arrangement, an Internet user can access the master database 120 via a single web portal over the Internet 14 and sign up for the simultaneous ring service or manage an existing account, regardless of which area code they live in. For example, when a subscriber living in the 415 area code creates or updates an account, the account information is written into the master database 122 and into the local database 38 within the system 10a. Thus a regional, nation-wide or even a global simultaneous ring system can be implemented and accessed from a single web page portal. It should be noted that the embodiment

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1. A method for providing simultaneous-ring telecommunication services, the method comprising steps of:

receiving a telephone call from a telecommunications network, the received telephone call being directed to a first telephone number;

retrieving a plurality of target telephone numbers that are associated with the first telephone number in response to the received telephone call, each target telephone number having an associated telecommunications device;

calling each target telephone number; and

transferring the received telephone call to the telecommunications network when a connection is made to a telecommunication device associated with one of the plurality of target telephone numbers.

2. The method according to claim 1, wherein the step of transferring the received telephone call transfers the received telephone call to the telecommunications network using a Signaling System 7 (SS-7) signaling technique.

3. The method according to claim 2, wherein the SS-7 signaling technique is a Two B-channel transfer (TBCT).

4. The method according to claim 1, wherein the step of calling each target telephone number rings each target telephone number substantially simultaneously.

5. The method according to claim 1, wherein the plurality of target telephone numbers includes a default target telephone number, and

wherein the method further comprises a step of transferring the received telephone call to the default target telephone number when a connection is not made with any of the other target telephone numbers that are associated with the first telephone number.

6. The method according to claim 5, wherein the default target telephone number is based on a time of day the telephone call was received from the telecommunications network.

7. The method according to claim 5, wherein the default target telephone number is based on a day of the week the telephone call was received from the telecommunications network.

8. The method according to claim 1, wherein the step of calling each target telephone number further comprises a step of initiating a call to each respective target telephone number at substantially a same time.

9. The method according to claim 1, wherein the step of calling each target telephone number further comprises a step of initiating each respective call at a selected time based on a set-up time associated with each respective target telephone number so that each telecommunications device associated with the target telephone numbers rings at substantially the same time.

10. The method according to claim 1, wherein the step of calling each target telephone number further comprises a step of initiating at least one call to a

target telephone number after a ringing signal is detected for a call to a selected target telephone number so that each telecommunications device associated with the target telephone numbers rings at substantially the same time.

11. The method according to claim 10, wherein the telecommunications device associated with the selected target telephone number is a cellular telephone device.

12. The method according to claim 1, further comprising a step of terminating all outgoing telephone calls except the outgoing telephone call in which the connection is made to the telecommunication device.

13. The method according to claim 1, wherein the telephone call received from the telecommunications network is received over one of an Integrated Services Digital Network (ISDN) Primary Rate Interface (PRI); an ISDN PRI European Standard; and an ISDN Basic Rate Interface (BRI).

14. The method according to claim 1, further comprising a step of determining whether the first telephone number is associated with a valid subscriber before the step of calling each target telephone number.

15. The method according to claim 1, further comprising a step of forwarding caller ID information associated with the received telephone call to the target telephone number with which the connection is made.

16. The method according to claim 1, wherein the step of retrieving the plurality of target telephone numbers retrieves the plurality of target telephone numbers from a database.

17. The method according to claim 16, wherein the database contains a subscriber record having account information relating to a subscriber associated with the first telephone number and a target record containing target telephone number information associated with the first telephone number.

18. The method according to claim 17, wherein the account information relating to the subscriber includes at least one of account status information relating to the subscriber; credit status information relating to the subscriber; and personal information relating to the subscriber.

19. The method according to claim 17, wherein the target record includes at least one the plurality of target telephone numbers; a default target telephone number; a time of data default telephone target number; and a day of week default target telephone number.

20. A simultaneous-ring apparatus for a telecommunications network, the apparatus comprising:

an incoming call manager receiving an incoming telephone call from the telecommunications network, the received telephone call being directed to a first telephone number; and

an outgoing call manager generating a plurality of simultaneous outgoing telephone calls, each outgoing telephone call being directed to one of a plurality of target telephone numbers that are associated with the first telephone number, each target telephone number having an associated a telecommunications device, the outgoing call manager transferring the received incoming telephone call to the telecommunications network when a connection is made to a telecommunication device associated with one of the plurality of target telephone numbers.

21. The apparatus according to claim 20, wherein outgoing call manager transfers the received telephone call to the telecommunications network using a Signaling System 7 (SS-7) signaling technique.

22. The apparatus according to claim 21, wherein the SS-7 signaling technique is a Two B-channel transfer (TBCT).

23. The apparatus according to claim 20, wherein each outgoing telephone call generated by the outgoing call manager rings substantially simultaneously.

24. The apparatus according to claim 20, wherein the plurality of target telephone numbers includes a default target telephone number, and

wherein the outgoing call manager transfers the received incoming telephone call to the default target telephone number when a connection is not made with any of the other target telephone numbers associated with the first telephone number.

25. The apparatus according to claim 20, further comprising a call manager determining whether the first telephone number is associated with a valid subscriber, and retrieving the plurality of target telephone numbers from a database when the first telephone number is determined to be associated with a valid subscriber.

26. The apparatus according to claim 25, wherein the database contains a subscriber record having account information relating to a subscriber associated with the first telephone number and a target record containing target telephone number information associated with the first telephone number.

27. The apparatus according to claim 26, wherein the account information relating to the subscriber includes at least one of account status information relating to the subscriber; credit status information relating to the subscriber; and personal information relating to the subscriber.

28. The apparatus according to claim 26, wherein the target record includes at least one the plurality of target telephone numbers; a default target telephone number; a time of data default telephone target number; and a day of week default target telephone number.

29. The apparatus according to claim 20, wherein the outgoing call manager generates a ringing signal for the received telephone call.

30. The apparatus according to claim 20, wherein the outgoing call manager terminates all outgoing telephone calls except the outgoing telephone call in which the connection is made to the telecommunication device.

31. The apparatus according to claim 20, wherein the plurality of target telephone numbers includes a default target telephone number, and

wherein the outgoing call managers transfers the received telephone call to the default target telephone number when a connection is not made with any of the other target telephone numbers that are associated with the first telephone number.

32. The apparatus according to claim 31, wherein the default target telephone number is based on a time of day the incoming telephone call is received.

33. The apparatus according to claim 31, wherein the default target telephone number is based on a day of the week the incoming telephone call is received.

34. The apparatus according to claim 30, wherein the outgoing call manager initiates the each of the plurality of outgoing telephone calls at substantially the same time.

35. The apparatus according to claim 30, wherein the outgoing call manager initiating each respective outgoing telephone call at a selected time based on a set-up time associated with each respective target telephone number so that each

telecommunications device associated with a target telephone numbers rings at substantially the same time.

36. The apparatus according to claim 30, wherein the outgoing call manager initiates at least one call to a target telephone number after a ringing signal is detected for a call to a selected target telephone number so that each telecommunications device associated with the target telephone numbers rings at substantially the same time.

37. The apparatus according to claim 36, wherein the telecommunications device associated with the selected target telephone number is a cellular telephone device.

38. The apparatus according to claim 20, wherein the incoming telephone call received from the telecommunications network is received over one of an Integrated Services Digital Network (ISDN) Primary Rate Interface (PRI); an ISDN PRI European Standard; and an ISDN Basic Rate Interface (BRI).

39. The apparatus according to claim 20, wherein the outgoing call manager forwards caller ID information associated with the received incoming telephone call to the target telephone number with which the connection is made.

40. A computer-readable medium having computer-executable instructions for performing steps comprising:

receiving a telephone call from a telecommunications network, the received telephone call being directed to a first telephone number;

retrieving a plurality of target telephone numbers that are associated with the first telephone number in response to the received telephone call, each target telephone number having an associated telecommunications device;

calling each target telephone number; and

transferring the received telephone call to the telecommunications network when a connection is made to a telecommunication device associated with one of the plurality of target telephone numbers.

41. The computer-readable medium according to claim 40, wherein the step of transferring the received telephone call transfers the received telephone call using a Signaling System 7 (SS-7) signaling technique.

42. The computer-readable medium according to claim 41, wherein the SS-7 signaling technique is a Two B-channel transfer (TBCT).

43. The computer-readable medium according to claim 40, wherein the step of calling each target telephone number rings each target telephone number substantially simultaneously.

44. The computer-readable medium according to claim 40, wherein the plurality of target telephone numbers includes a default target telephone number, and wherein the method further comprises a step of transferring the received telephone call to the default target telephone number when a connection is

not made with any of the other target telephone numbers that are associated with the first telephone number.

45. The computer-readable medium according to claim 44, wherein the default target telephone number is based on a time of day the telephone call was received from the telecommunications network.

46. The computer-readable medium according to claim 44, wherein the default target telephone number is based on a day of the week the telephone call was received from the telecommunications network.

47. The computer-readable medium according to claim 40, wherein the step of calling each target telephone number further comprises a step of initiating a call to each respective target telephone number at substantially a same time.

48. The computer-readable medium according to claim 40, wherein the step of calling each target telephone number further comprises a step of initiating each respective call at a selected time based on a set-up time associated with each respective target telephone number so that each telecommunications device associated with the target telephone numbers rings at substantially the same time.

49. The computer-readable medium according to claim 40, wherein the step of calling each target telephone number further comprises a step of initiating at least one call to a target telephone number after a ringing signal is detected for a call

to a selected target telephone number so that each telecommunications device associated with the target telephone numbers rings at substantially the same time.

50. The computer-readable medium according to claim 49, wherein the telecommunications device associated with the selected target telephone number is a cellular telephone device.

51. The computer-readable medium according to claim 40, wherein the telephone call received from the telecommunications network is received over one of an Integrated Services Digital Network (ISDN) Primary Rate Interface (PRI); an ISDN PRI European Standard; and an ISDN Basic Rate Interface (BRI).

52. The computer-readable medium according to claim 40, further comprising a step of determining whether the first telephone number is associated with a valid subscriber before the step of calling each target telephone number.

53. The computer-readable medium according to claim 40, further comprising a step of forwarding caller ID information associated with the received telephone call to the target telephone number with which the connection is made.

54. The computer-readable medium according to claim 40, wherein the step of retrieving the plurality of target telephone numbers retrieves the plurality of target telephone numbers from a database.

55. The computer-readable medium according to claim 40, wherein the database contains a subscriber record having account information relating to a subscriber associated with the first telephone number and a target record containing target telephone number information associated with the first telephone number.

56. The computer-readable medium according to claim 55, wherein the account information relating to the subscriber includes at least one of account status information relating to the subscriber; credit status information relating to the subscriber; and personal information relating to the subscriber.

57. The computer-readable medium according to claim 55, wherein the target record includes at least one the plurality of target telephone numbers; a default target telephone number; a time of data default telephone target number; and a day of week default target telephone number.

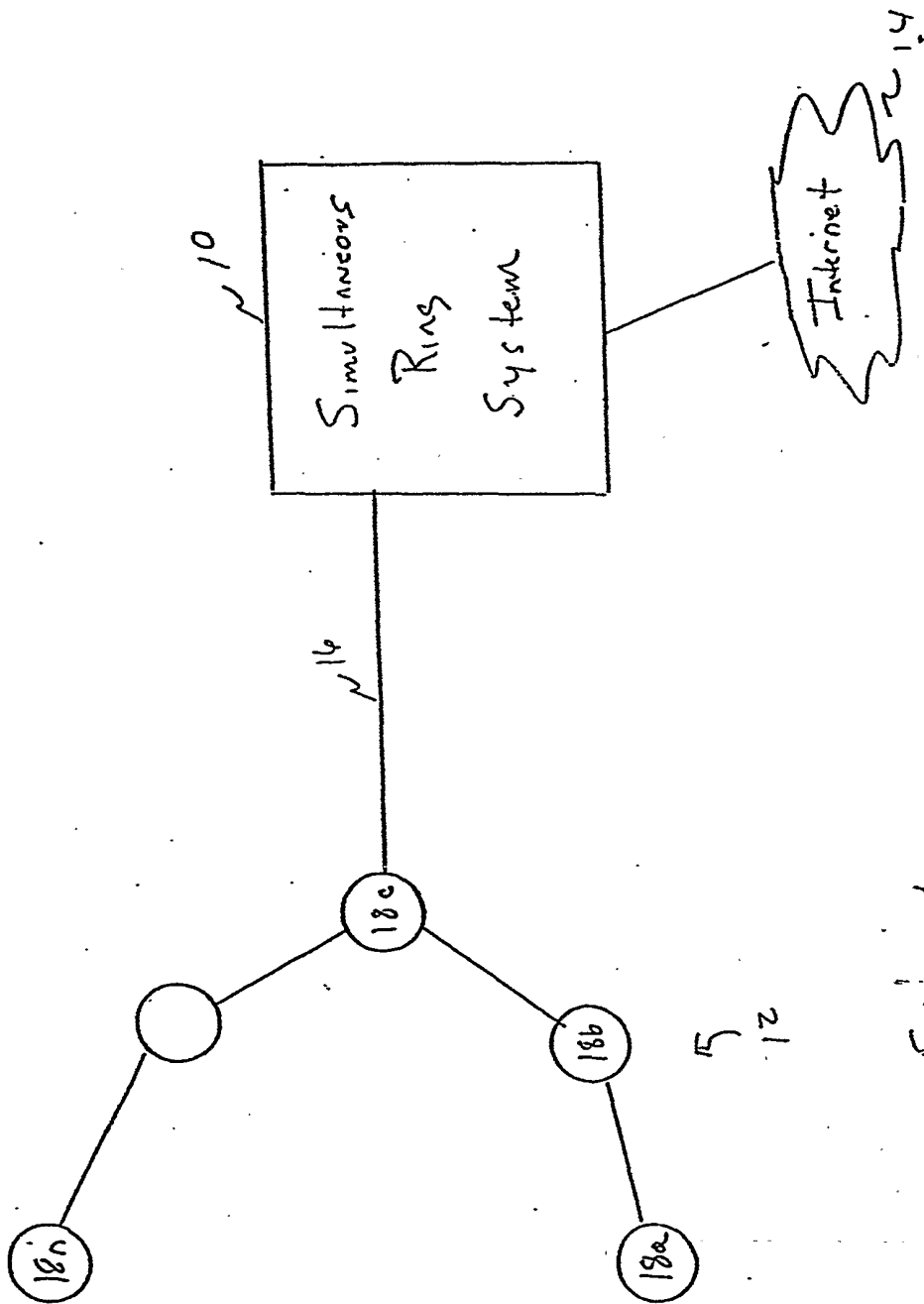


Figure 1

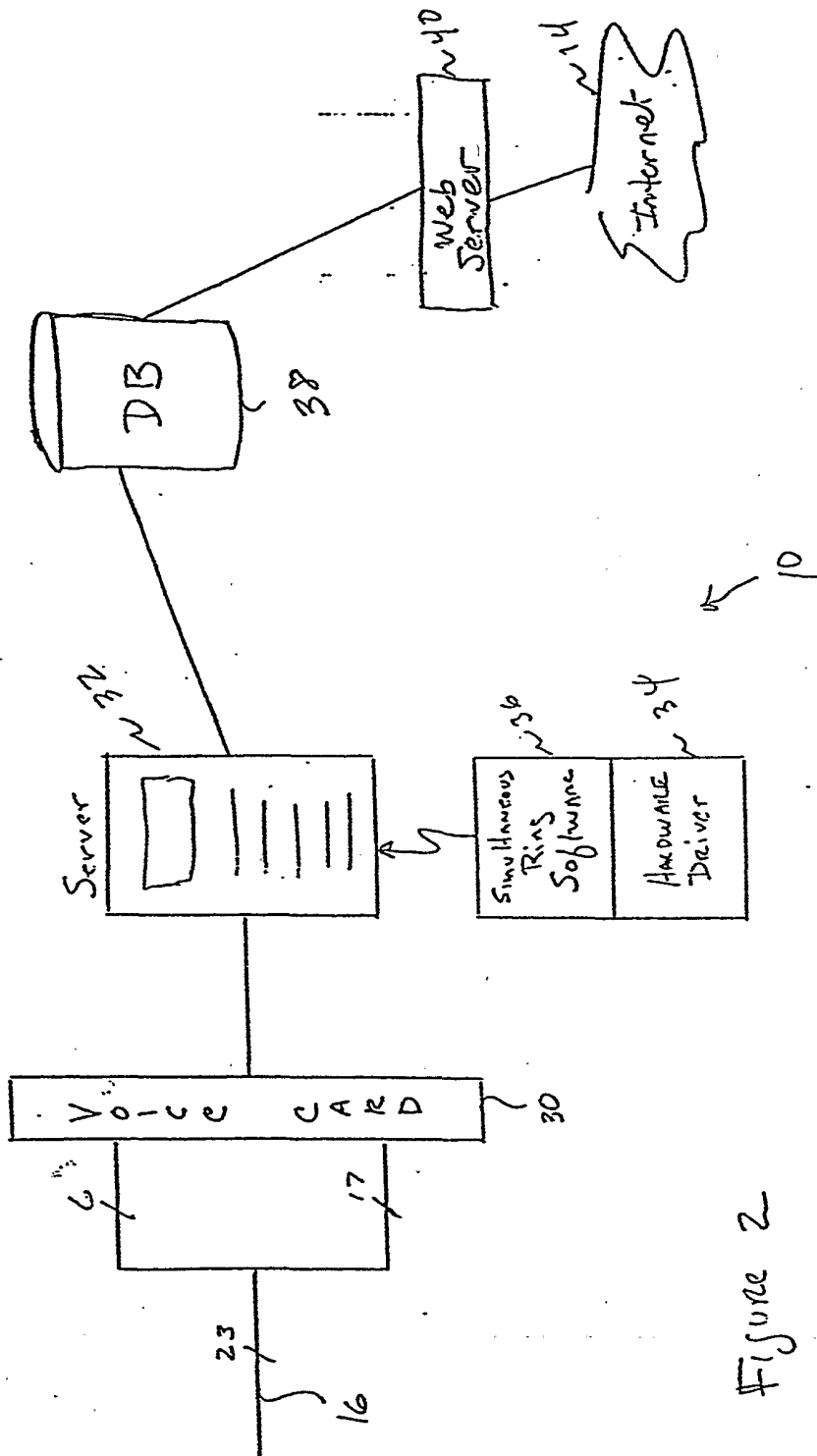


Figure 2

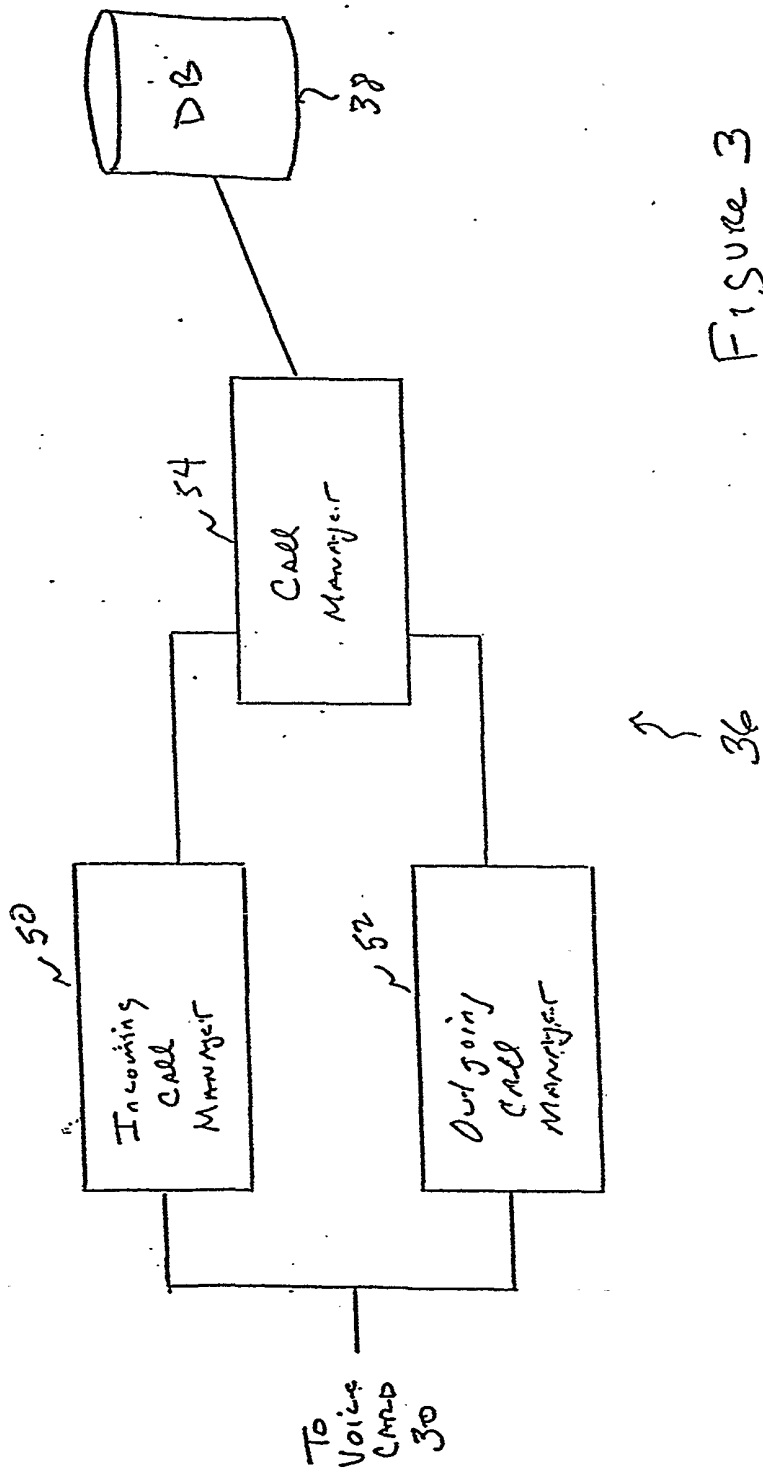
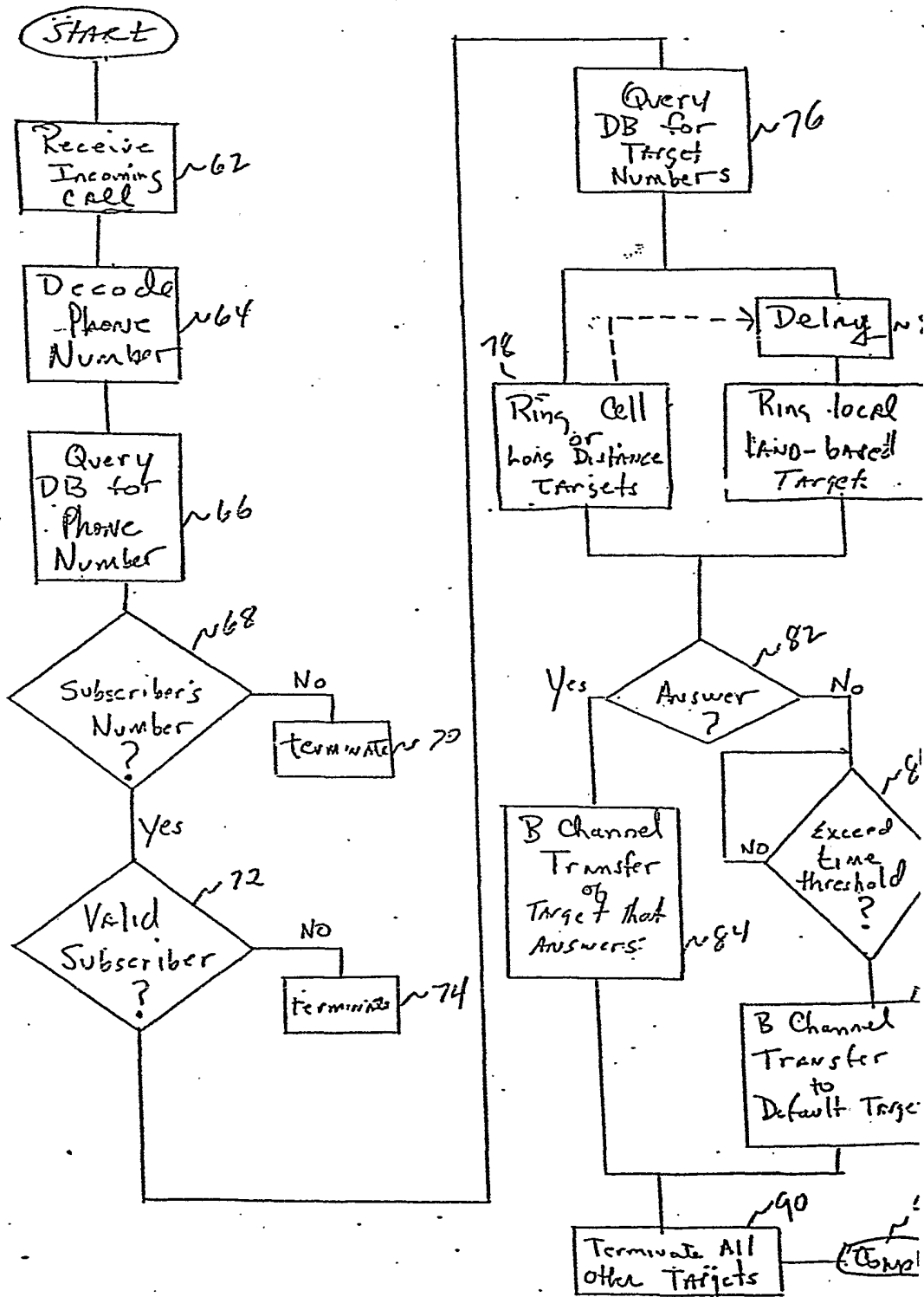
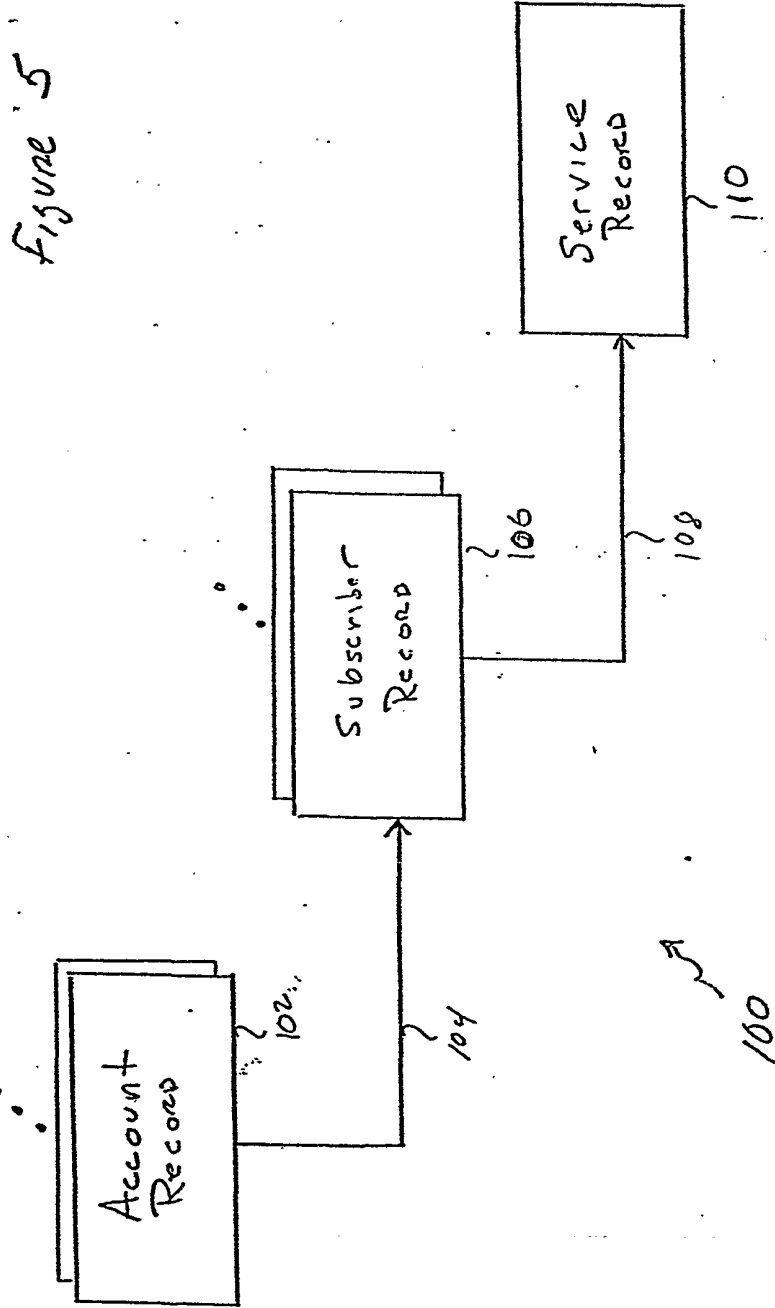


Figure 3

60

Figure 4





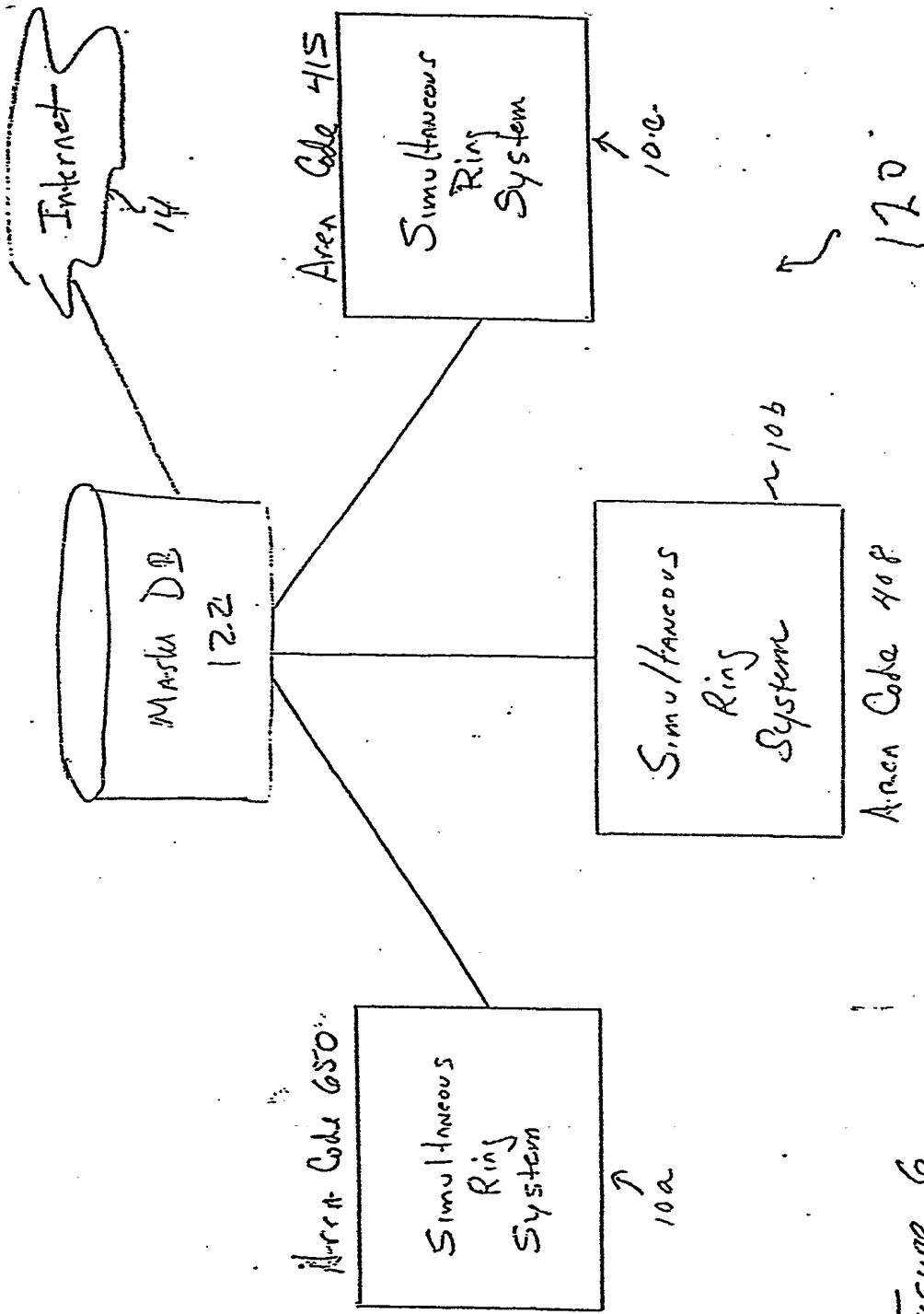


Figure 6



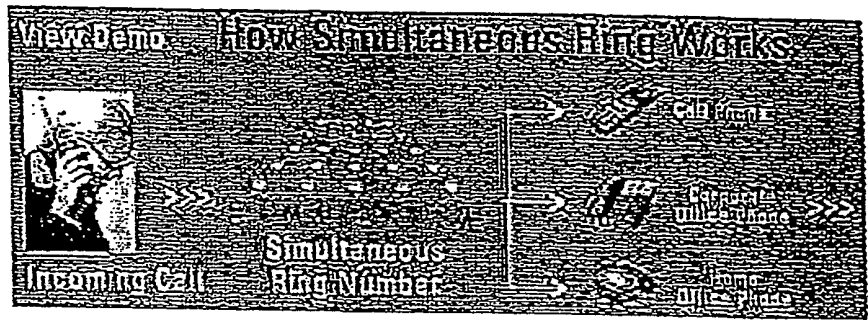
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Home of Simultaneous Ring

"About a month after I started using Simultaneous Ring our PBX was down for two days. I got all of my calls on my cell phone, and my clients never knew we had a problem."

Jim Ange Sales Manager

Simultaneous Ring is a service that makes it easier for clients, friends, and family to reach you. With a Simultaneous Ring telephone number, one phone call rings all your telephone line at work, cell phone and home office phone) at the same time. Whichever phone you answer gets the call. If you don't answer, callers end up in your chosen voice mail. Now you can be reached in one place to check your messages.



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Figure 7A



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"When someone calls my Simultaneous Ring number, I get the call wherever I am: at home working on the computer, in the car driving to an appointment, or in the office."

*Kelly Marolda
 Salesperson*

Sign Up Now (Step 1 of 5)
 New Account Activation

First Name

Last Name

E-mail

Password (4-10 Characters)

Confirm Password

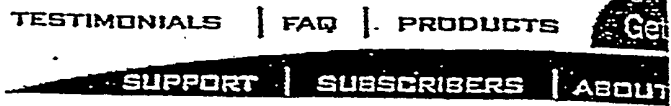
Password Hint

City you are located in

Referral Code

Click to Continue!

Figure 7B



Step 2 of 5
 Pick Your Simultaneous Ring Number that people will use to c

"Clients can reach me with one phone call, which they love. If I'm not at home I can pick up the call on my office phone, which saves me the usage charges on my cell phone."

Real Estate Agent

Standard Number \$9.95

- (206) 357-7324
- (206) 826-5011
- (206) 826-5024
- (206) 826-5053
- (206) 826-5059
- (206) 826-5085
- (206) 826-5446
- (206) 826-5466
- (206) 826-5482
- (206) 826-5484

[More Numbers](#)

Premium Number

- (206) 357-708
- (206) 357-733
- (206) 357-743
- (206) 357-746
- (206) 826-517
- (206) 826-519
- (206) 826-527
- (206) 826-529
- (206) 826-531
- (206) 826-538

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Figure 7C



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"Within the first week my salespeople were calling me up and thanking me for putting them on the service."

*Scott Walker
 Manager*

Step 3 of 5

Configure the Phone Numbers to ring when someone calls you Simultaneous Ring Number (206) 357-7080

The first three numbers are included at the standard price. Ea additional number is \$2.00 per month.

Enter Numbers

<input type="text"/>	<input type="checkbox"/> Cellular <input checked="" type="radio"/>
<input type="text"/>	<input type="checkbox"/> Cellular <input checked="" type="radio"/>
<input type="text"/>	<input type="checkbox"/> Cellular <input checked="" type="radio"/>
<input type="text"/>	<input type="checkbox"/> Cellular <input checked="" type="radio"/>
<input type="text"/>	<input type="checkbox"/> Cellular <input checked="" type="radio"/>

Click to Continue!



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Figure 7D



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"Within the first week my salespeople were calling me up and thanking me for putting them on the service."

*Scott Walker
 Manager*

Step 4 of 5

Please enter your Credit Card Information which will carry the charge for your Simultaneous Ring Number (206) 357-7080

Payment Method Billed

Credit Card # Exp. Date

Name on Card

Billing Address

City

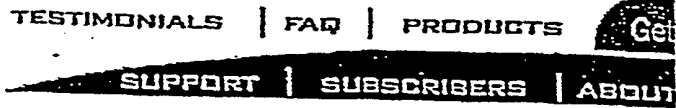
State Zip Code

We will email your billing statements to your configured email account. option determines the format of the statements that we send. Most e clients (including Outlook Express and Outlook) support HTML format. select Plain Text format if your email client does not support HTML for

- Email Billing Notifications in HTML Format
- Email Billing Notifications in Plain Text Forma

Click Here to Continue

Figure 7E



"About a month after I started using Simultaneous Ring our PBX was down for two days. I got all of my calls on my cell phone, and my clients never knew we had a problem."

Jim Ange Sales Manager

Step 5 of 5
Congratulations Jim!

We are now ready to activate your Simultaneous Ring Number (206) 357-7080. To activate your account, click on the Activate below.

When you activate your account, we will bill your credit card for following charges:

- a) A one-time registration fee of \$29.95
- b) A monthly service charge prorated for the remainder of the month
- c) Applicable federal, state and local taxes of \$5.22

The total charge billed to your card will be \$36.64. We will email detailed statement listing all of the charges.

You have elected to bill your account on a monthly basis. We maintain your credit card on file for future billing. We will email detailed statement with each future billing.

Click Here to Activate your Account



Figure 17F



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"About a month after I started using Simultaneous Ring our PBX was down for two days. I got all of my calls on my cell phone, and my clients never knew we had a problem."

*Jim Ange Sales
 Manager*

Welcome Simultaneous Ring Subscriber!

Please enter your 10 digit Simultaneous Ring Number. No punctuation or hyphens) are required.

For example: If your Simultaneous Ring Number were (212) 555-1212, enter 2125551212.

My Simultaneous Ring Number is:

My Password is:



[Forgot your password?](#)

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Figure 76



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Change Target Info | Change Personal Info | Change

"About a month after I started using Simultaneous Ring our PBX was down for two days. I got all of my calls on my cell phone, and my clients never knew we had a problem."

Jim Ange Sales Manager

Change Your Target Information

Configure the Phone Numbers to ring when someone calls you
Simultaneous Ring Number (206) 826-5091

The first three numbers are included at the standard price. Ea additional number is \$2.00 per month.

Enter Numbers Cellular

Cellular

Cellular

Cellular

Cellular

Click to Apply Changes

Figure 7H



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Change Target Info | **Change Personal Info** | Change

"I like it because my clients can reach me right away, no matter where I am."

*Heather Harrison
 Account Executive*

Change Personal Information

Please fill out this form completely. Thank you.

First Name

Last Name

E-mail

Old Password

New Password (4-10 Characters)

Confirm New Password

Password Hint

Click to Apply Changes

Figure 7I

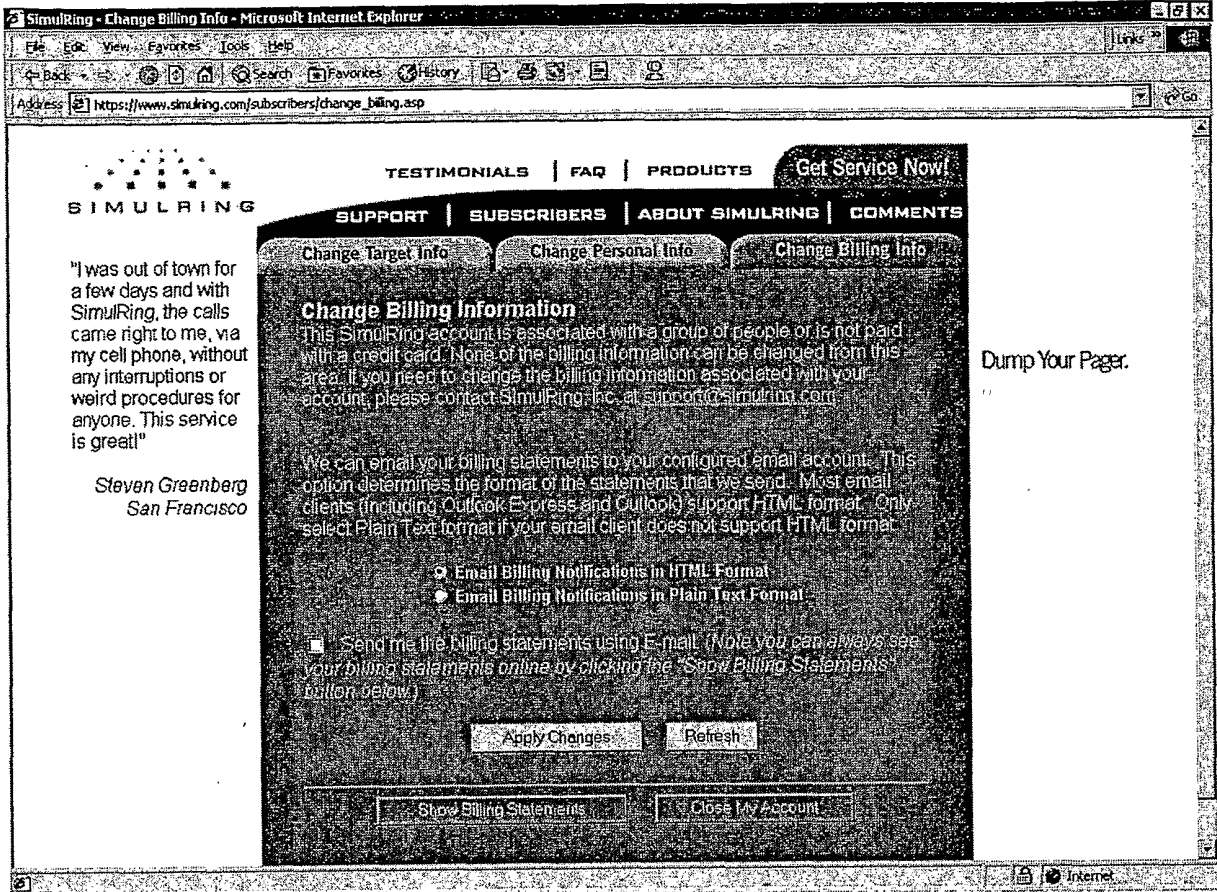


Fig. 7J