

17. The apparatus of claim 16, wherein the real-time exchange sends a text message to the participant mobile phones notifying them of the voice message.

18. The apparatus of claim 16, wherein the real-time exchange dials out to the participant mobile phones notifying them of the voice message.

19. The apparatus of claim 16, wherein the participant mobile phones call back to the real-time exchange to retrieve the voice message.

20. The apparatus of claim 19, wherein one or more of the participant mobile phones reply to the voice message by leaving a reply voice message with the real-time exchange for the originator mobile phone or for all of the participant mobile phones.

21. An apparatus for providing advanced voice services in a mobile phone network, comprising:

a mobile phone network for making calls between mobile phones, wherein the calls are initiated by call setup and in-band signaling within the mobile phone network and voice frames for the calls are switched between the mobile phones by at least one mobile switching center across bearer paths in the mobile phone network; and

a real-time exchange that interfaces to at least one mobile switching center in the mobile phone network to provide the group-based communications services therein, wherein the real-time exchange manages a limited pool of network routable numbers that are used to provide the group-based communications services by allocating one number from the limited pool of network routable numbers for each participant in a particular session of the group-based communications services, such that each allocated number uniquely identifies a session context for a given participant;

both the real-time exchange and the mobile phones that use the group-based communications services communicate with each other using the call setup and in-band signaling within the mobile phone network, and the real-time exchange switches the voice frames for the group-based communications services between the mobile phones across the bearer paths and through at least one mobile switching center in the mobile phone network.

* * * * *