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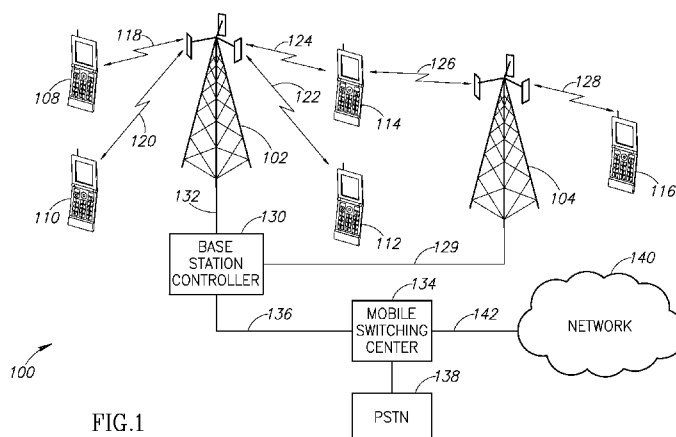


FIG.1

(57) Abstract: A system to permit push-to-talk communications in an orthogonal frequency division multiplexed (OFDM) communication network. Individual wireless communication devices that are part of a Group Call are assigned the same set or sets of OFDM tones for a downlink timeslot. Because each wireless communication device receives the same set of tones, each device will receive a communication simultaneously. The assigned OFDM tones need not be contiguous within a block of available tones. Because a large number of OFDM tones are available, the concept may be extended to a large number of groups that each separately support a Group Call function.

