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(54) Title: PARTIAL DOWNLINK REPEATER APPARATUS AND METHODS USEFUL IN CONJUNCTION THEREWITH

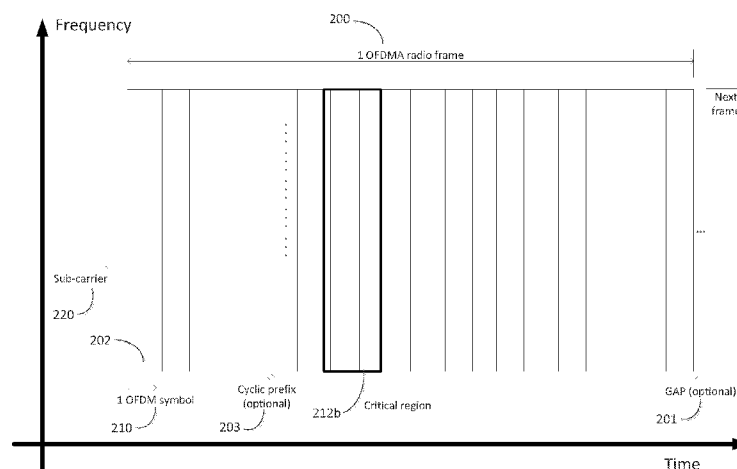


Figure 2b

(57) Abstract: For use with a cellular communication network having a base station transmitting downlink signals received by mobile device/s: a downlink signal reception enhancement system including partial repeater apparatus enhancing quality of reception of at least a portion of downlink signal/s by mobile device/s, the partial repeater apparatus including a downlink receiver receiving at least a portion of downlink signal/s arriving from the base station; a controller including a critical region selector, selecting only a portion of at least one individual downlink signal; and a partial transmitter generating signal/s by regenerating, according to characteristic/s of at least one of a downlink signal and the mobile device, at least the portion selected by the critical region selector, and to transmit a signal including at least the regenerated portion plus less than all of the individual downlink signal.