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(54) Title: AUTOMATIC NETWORK DESIGN

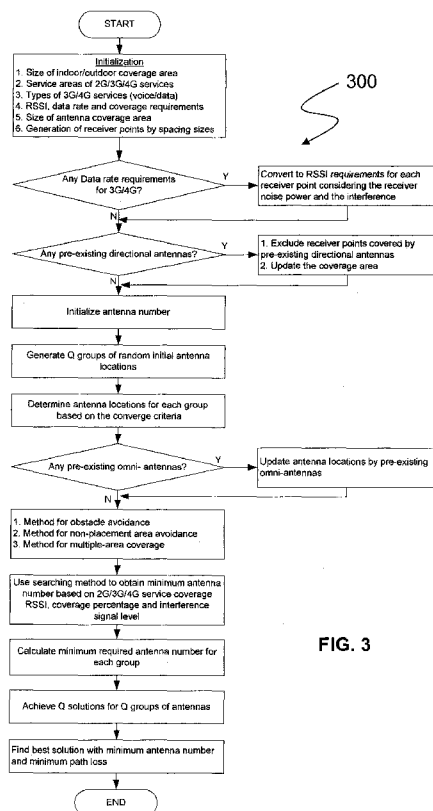


FIG. 3

(57) Abstract: A method and system for communication network design, the method including: generating, by a computer processor, a plurality of receiver points; generating a target received signal strength for each receiver point of the plurality of receiver points; determining a predicted number of antennas based on a size of the communications network and a coverage area of an antenna; determining a location for each antenna of the predicted number of antennas; generating an estimated received signal strength for each receiver point of the plurality of receiver points, based upon the predicted number of antennas and the location of each antenna of the predicted number of antennas; comparing the estimated received signal strength for each receiver point with the target received signal strength for the receiver point; generating a revised predicted number of antennas based upon at least one of the comparisons of target received signal strength and estimated received signal strength.



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