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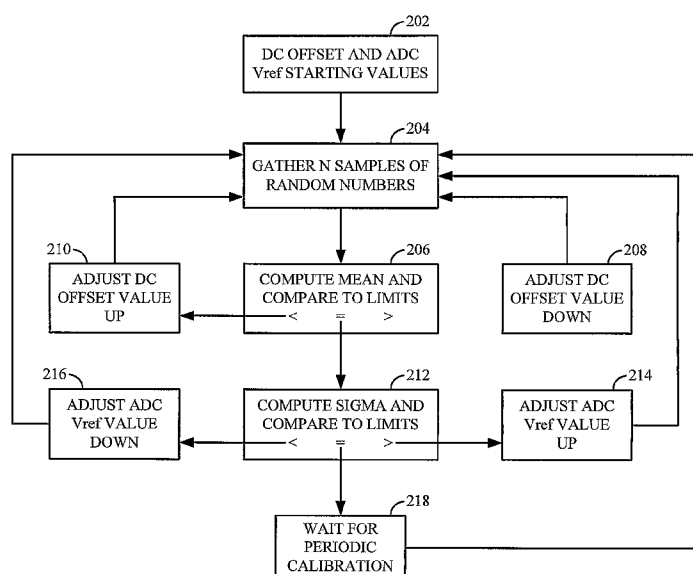
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(54) Title: METHOD AND APPARATUS FOR RANDOM-NUMBER GENERATOR



(57) Abstract: Method and apparatus for generating random numbers are disclosed. In one aspect, a method for generating random numbers for use in a wireless communication device provides for generating random numbers, gathering a sample of the generated random numbers, and computing at least one metric, such as mean value, standard deviation, and/or entropy. The method further provides for comparing the metric with a corresponding reference value and adjusting the metric based on a result of said comparison so that the generated random numbers achieve a desired distribution. In another aspect, an apparatus for generating random numbers includes an analog noise generator and hardware components for generating random numbers and feedback values to adjust the random numbers. The apparatus further includes a processor capable of executing instructions to carry out control algorithms for adjusting the random numbers.

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