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(54) Title: A METHOD AND APPARATUS FOR CONTROLLING CALL ACCEPTANCE IN A TELECOMMUNICATIONS NETWORK		
(57) Abstract Aspects of the invention provide a method and apparatus for controlling call acceptance in a telecommunications network comprising periodically measuring the volume of traffic being handled at a node of the network; for each measurement, identifying a corresponding one of a set of storage locations and incrementing the value stored in the identified location; determining from the stored values in said set an index of variation of measurement distribution; and, in the event that the index exceeds a threshold value, intervening to re-route or reject calls for that node. By measuring the volume of traffic and determining a variation of measurement distribution it is possible to detect when the network is approaching a chaotic condition, that is to say, becoming unstable. The greater the variation of measurement distribution the more chaotic the network is becoming. <pre> graph TD BEGIN([BEGIN]) --> SAMPLE_LOAD[SAMPLE LOAD 40] SAMPLE_LOAD --> CALC_DAI[CALC DAI 41] CALC_DAI --> DAI_THRESHOLD{DAI < THRESHOLD ? 42} DAI_THRESHOLD -- YES --> RESET_VECTOR[RESET VECTOR 44] RESET_VECTOR --> SAMPLE_LOAD DAI_THRESHOLD -- NO --> REFUSE_CALLS[REFUSE CALLS 43] REFUSE_CALLS -- 4 --> DAI_THRESHOLD </pre>		