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(54) Title: IMMEDIATE READY IMPLEMENTATION OF VIRTUALLY CONGESTION FREE GUARANTEED SERVICE CAPABLE NETWORK: EXTERNAL INTERNET NEXTGENTCP (SQUARE WAVE FORM) TCP FRIENDLY SAN

(57) Abstract: Various techniques of simple modifications to TCP/IP protocol & other susceptible protocols and related network's switches/routers configurations, are presented for immediate ready implementations over external Internet of virtually congestion free guaranteed service capable network, without requiring use of existing QoS/ MPLS techniques nor requiring any of the switches/routers softwares within the network to be modified or contribute to achieving the end-to-end performance results nor requiring provision of unlimited bandwidths at each and every inter-node links within the network.

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