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(54) **Title:** METHODS AND APPARATUS FOR ROUTER-TO-RADIO FLOW CONTROL

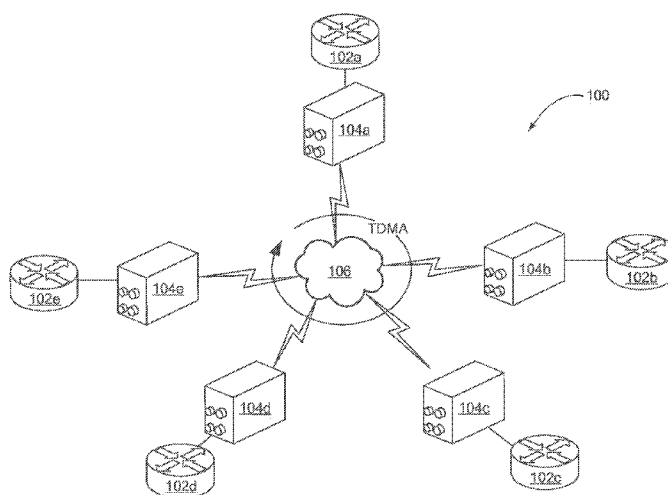


FIG. 1

(57) **Abstract:** Methods and apparatus for transmitting, from a radio, over a router-to-radio interface, a first transmission-on signal indicating to a router that data packets can be sent to the radio for transmission in a network, and transmitting, from the radio over the router-to-radio interface, a first transmission-off signal indicating to the router that data packet transmission should be suspended until receipt of a second transmission-on signal, wherein the first transmission-on signal and the first transmission-off signal are generated in a network layer of the seven-layer OSI model.