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(54) WIRELESS DEVICES WITH TRANSMISSION CONTROL AND MULTIPLE PATHS OF COMMUNICATION

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Related U.S. Application Data

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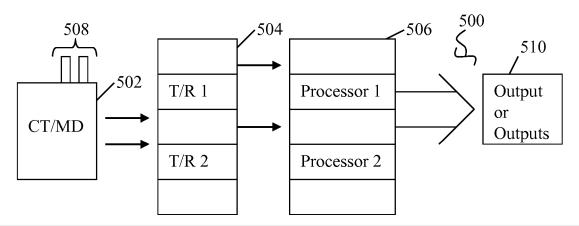
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(57) ABSTRACT

A method and apparatus in which multiple Internet Protocol (IP) based wireless data transmissions are simultaneously provided between a wireless device and a server, including providing multiple antennas, multiple T/R units, multiple processors and multiple I/O ports on the wireless device. The method includes receiving multiple IP data packets on the I/O ports at substantially the same time, and sending multiple data packets from the wireless device to the server, whereby the transmission rate between the wireless device and the server is increased.

30 Claims, 5 Drawing Sheets

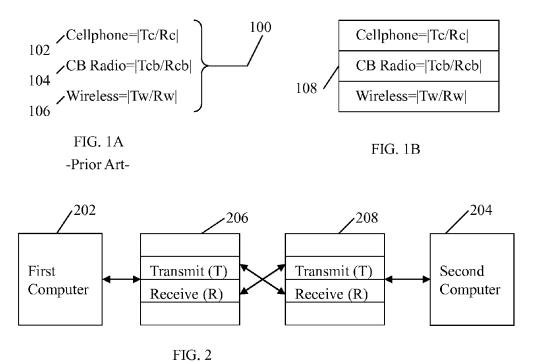


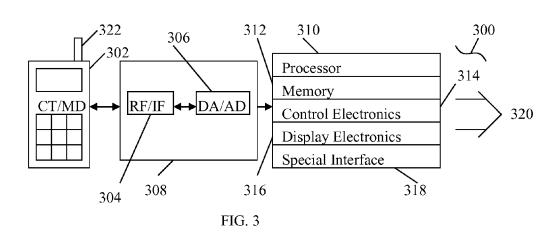


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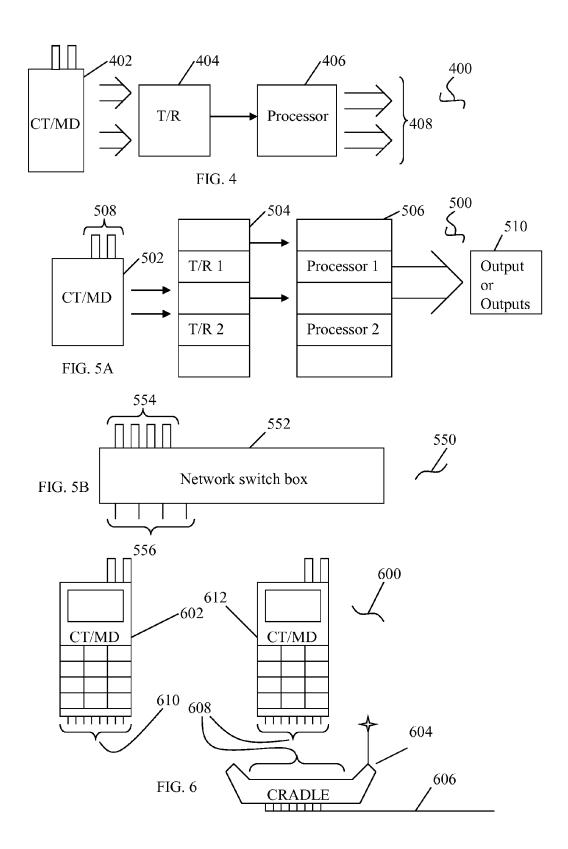


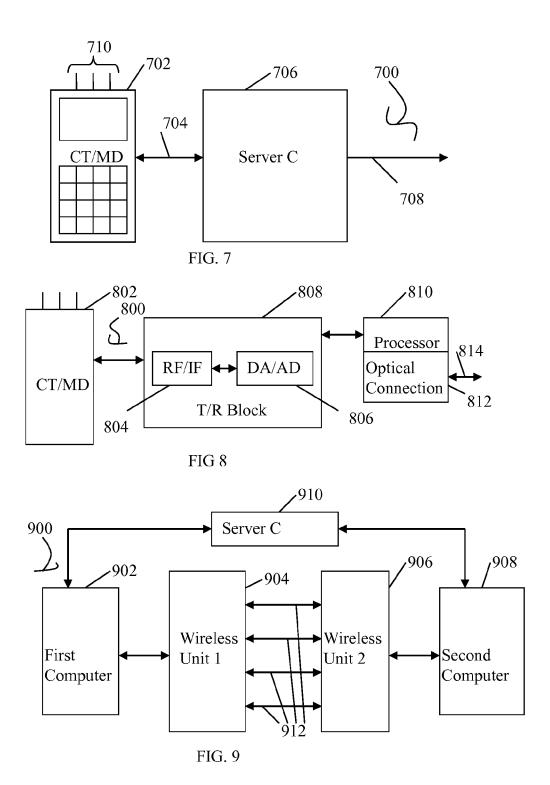




-Prior Art-

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