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(54) **Title:** MEDICAL DEVICE WIRELESS NETWORK ARCHITECTURES

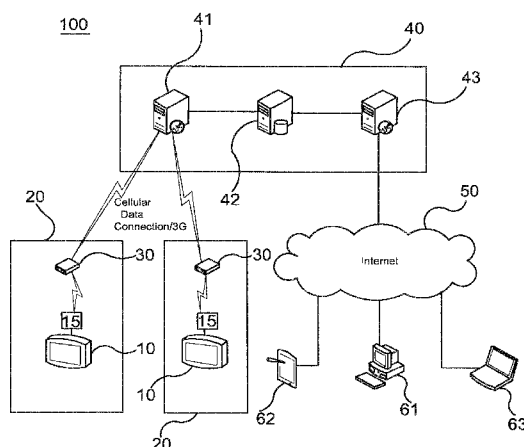


FIG. 1

(57) **Abstract:** An architecture for networked communications between a series of medical devices and a remote monitoring device. An interface circuit coupled to each medical device communicates with one of a plurality of relay modules via a wireless relay network. The relay modules communicate with the remote monitoring device over an internet-accessible wireless communication network. Each relay module includes a receiver coupled to the wireless relay network, a first transmitter coupled to the wireless relay network, a second transmitter coupled to the internet-accessible wireless communications network; and a controller. The controller determines a status of the internet-accessible wireless communications network. When the status indicates that the internet-accessible wireless communications network is accessible to the wireless relay module, the second transmitter is selected for transmitting medical device data. When the internet-accessible wireless communications network is not accessible, the first transmitter is selected for transmitting the data to another wireless relay module.

