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(57) Abstract

Medical sensors (1 to 4) are connected to a processor (6) comprising a PC and modems (14 and 16). The modems are connected to respective low power transmitter/receivers (18 and 20). The transmitter/receivers (18, 20) communicate with corresponding receiver/transmitters (18', 20') connected to a long range transmitter/receiver such as a satellite communications link (22, 23, 24). An operator of the apparatus has a hands free headset comprising a microphone (7) and earpieces (8), and has a head-up display (10). An electronic camera may also be provided. Medical data from the sensors (1–4) and images from the camera (9) and voice signals from the microphone (7) are processed by the processor (6), and transmitted to a remote location (B), for use by a doctor having a corresponding processor and display to diagnose the condition of a patient. The doctor can talk to the operator to advise on the condition and treatment of the patient.

