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(57) Abstract:

A wheelchair 102 is communicatively coupled to GPS 202 in a wireless network 204 comprises a navigation unit 122, a geo-sensor 118-3, a motion sensor 118-1, and a slope sensor 118-2. The wheelchair 102 is also coupled with a driving mechanism that comprises a DC motor 106 coupled with the main wheel 114-1 through a V-belt 108, and a battery 134. A control unit 132 is operably coupled with the sensors, the navigation unit 122, and the driving mechanism. A plurality of baskets 136-1 and 136-2 are coupled to the wheelchair to accommodate required articles related to the patient.

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