Abstract

An Intelligent Patient Bed Mover

This invention relates to an intelligent apparatus for helping human to move a patient bed with higher payload in a tight working space easier and safer. It is a microprocessor based apparatus integrated with a robotic control system, IMU and ultrasound sensors, and RFID unit, such that the apparatus knows the bed is moving on a slop road or turning at a narrow environment and can only be operated by authorized person through RFID card. The robotic grasp platform enables the apparatus to be fixed automatically on the different position, such as side position for move the bed into a narrow lift. In a preferred embodiment, the apparatus (100) installed on a four wheel patient bed enables one nurse to move the patient from different floors through a normal lift easily and safely.

[FIG 1]