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(54) Title: SAFETY SYSTEMS AND METHODS FOR AN INTEGRATED MOBILE MANIPULATOR ROBOT

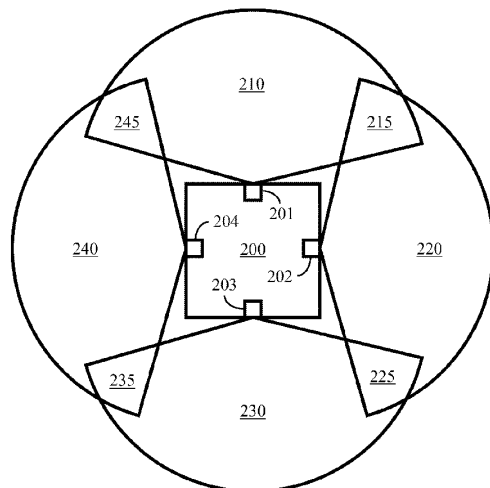


FIG. 3

(57) Abstract: A robot comprises a mobile base, a robotic arm operatively coupled to the mobile base, a plurality of distance sensors, at least one antenna configured to receive one or more signals from a monitoring system external to the robot, and a computer processor. The computer processor is configured to limit one or more operations of the robot when it is determined that the one or more signals are not received by the at least one antenna.

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