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(54) Title: PERCEPTION MAST FOR AN INTEGRATED MOBILE MANIPULATOR ROBOT

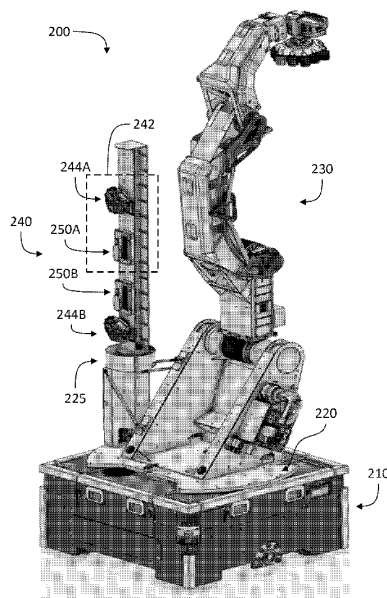


FIG. 3A

(57) Abstract: A perception mast for mobile robot is provided. The mobile robot comprises a mobile base, a turntable operatively coupled to the mobile base, the turntable configured to rotate about a first axis, an arm operatively coupled to a first location on the turntable, and the perception mast operatively coupled to a second location on the turntable, the perception mast configured to rotate about a second axis parallel to the first axis, wherein the perception mast includes disposed thereon, a first perception module and a second perception module arranged between the first imaging module and the turntable.

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