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(54) **MANUFACTURING SYSTEM, METHOD OF CONSTRUCTING THE MANUFACTURING SYSTEM, END EFFECTOR, ROBOT, AND WORKING METHOD OF ROBOT**

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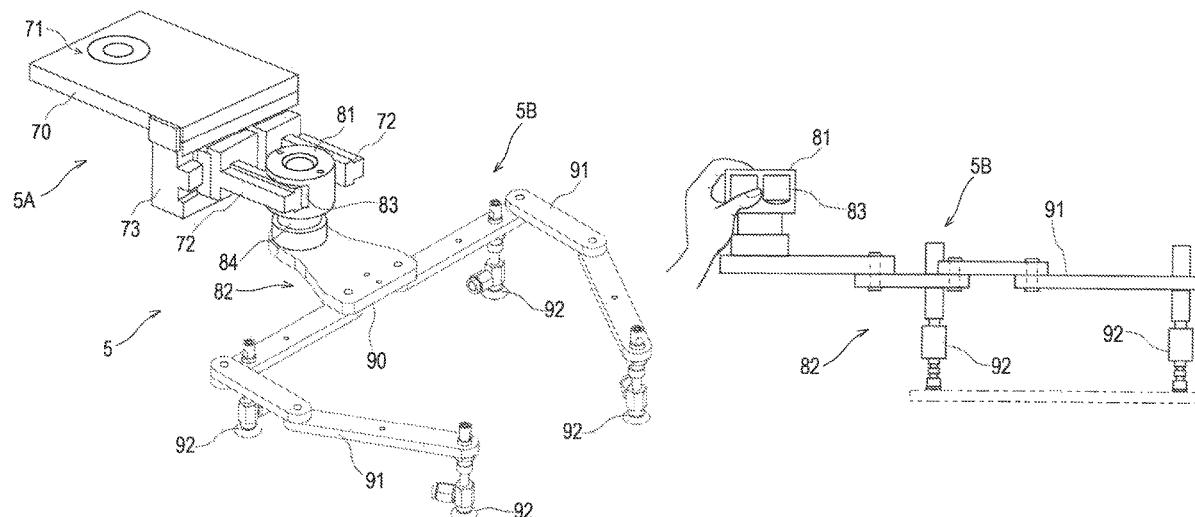
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(57) **ABSTRACT**

A manufacturing system includes an industrial robot having a robotic arm and a robot hand attached to the robotic arm, and a work station having an instrument provided with a grip to be gripped by the robot hand.

12 Claims, 26 Drawing Sheets



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