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(54) **Title:** SYSTEMS AND METHODS FOR CONFIGURING A ROBOT TO INTERFACE WITH EQUIPMENT

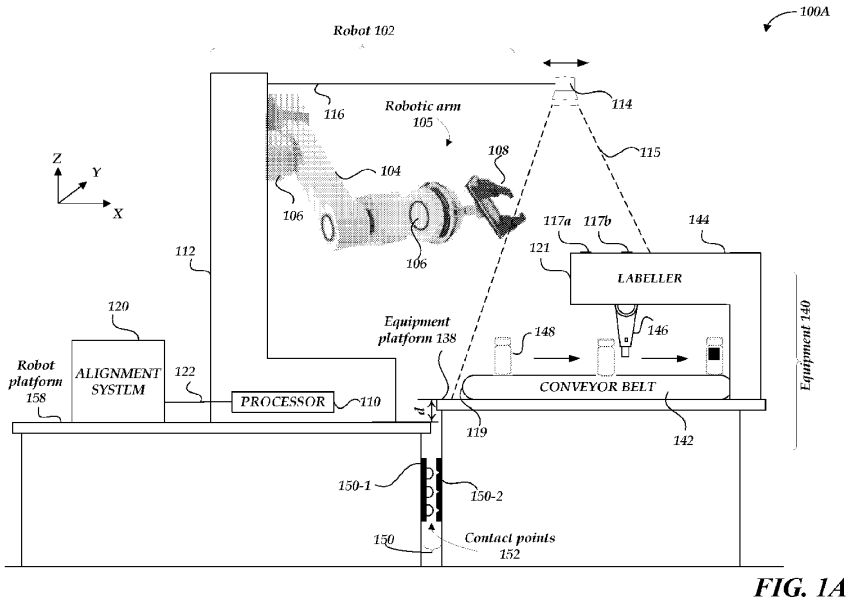


FIG. 1A

(57) **Abstract:** Computer vision techniques for configuring a robot having a robotic arm to interface with equipment to perform a task. The techniques include: capturing at least one image of the equipment; determining a position of a first alignment feature in the at least one captured image; determining, using the position of the first alignment feature in the at least one captured image, an alignment difference between a current alignment of the robot and the equipment with respect to a prior alignment of the robot and the equipment; and configuring the robot to interface with the equipment based on the alignment difference.

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