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(54) Title: BLADE-TYPE END EFFECTOR WITH ANGULAR COMPLIANCE MECHANISM

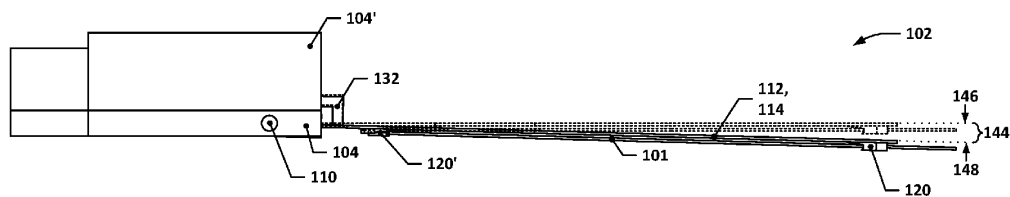


FIG. 2-3

(57) Abstract: Disclosed herein are wafer handling robots and related systems for providing a blade-type end effector that has a built-in compliance mechanism that allows the end effector blades to rotate by a small amount relative to a wrist unit housing of the end effector wrist unit due to gravitational loading in both a first configuration and a second configuration in which the wrist unit housing is flipped upside down from the first configuration. Such a system may be used in conjunction with end effector blades made of high-stiffness materials such as silicon carbide, allowing such end effector blades to be used in conditions that normally require end effector blades made of more compliant materials.

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