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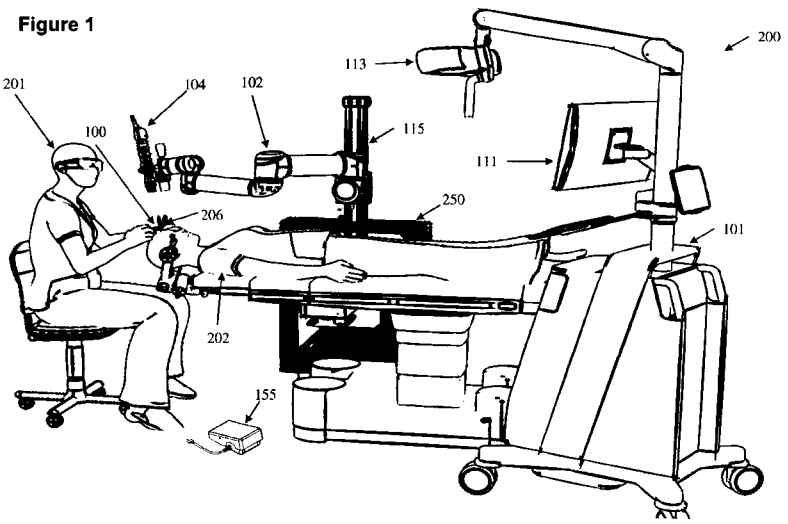
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(54) Title: INTELLIGENT POSITIONING SYSTEM AND METHODS THEREFORE

Figure 1



(57) Abstract: System and methods are provided for adaptively and interoperatively configuring an automated arm used during a medical procedure. The automated arm is configured to position and orient an end effector on the automated arm a desired distance and orientation from a target. The end effector may be an external video scope and the target may be a surgical port. The positions and orientations of the end effector and the target may be continuously updated. The position of the arm may be moved to new locations responsive to user commands. The automated arm may include a multi-joint arm attached to a weighted frame. The weighted frame may include a tower and a supporting beam.

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