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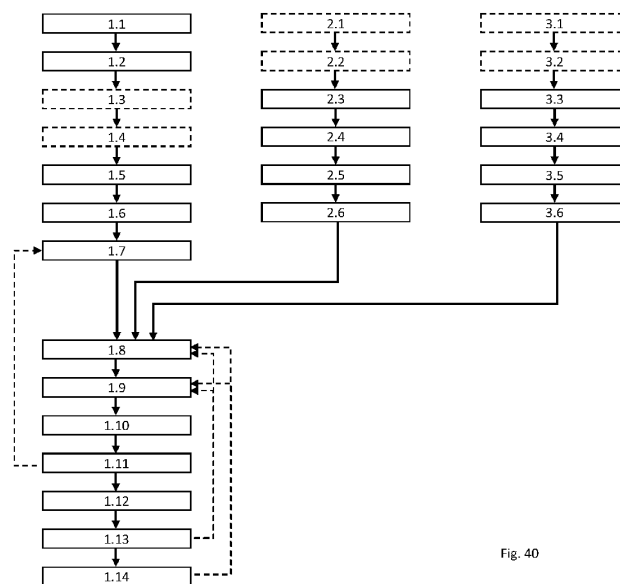


Fig. 40

(57) Abstract: Systems and methods for autonomous robotic surgery are provided to control a movement of a robotic device so as to perform a surgical procedural step, wherein controlling of the movement is based on information including a spatial position and orientation of at least a part of the robotic device. A trigger information may cause the system to pause or stop the surgical procedural step and cause the system to receive a projection image. Further, the projection image may be processed so as to determine a spatial position and orientation of at least the part of the object or of the robotic device.

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