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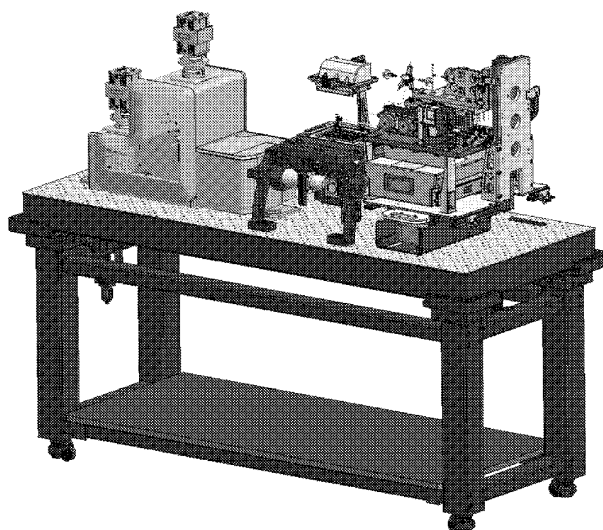


FIG. 1

(57) Abstract: A sequencer for automated *in situ* sequencing of volumetric tissue samples is provided. In particular, an automated volumetric *in situ* sequencing device capable of operating on multiple samples in parallel is provided. Methods of fabrication and use of the sequencer are also provided.

[Continued on next page]

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