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Hess et al.

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(54) **SECTIONING VOLUME SAMPLES**

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(57) **ABSTRACT**

A microtome includes a blade located at an end of a trough that defines a cavity for holding a liquid; a sample block in which the at least one sample is suspended, the sample block is moveable relative to the blade such that when the sample block is passed across the blade a section is cut from the sample block; a plate that includes a support frame that defines an opening, and a transparent film extending across the opening, the transparent film being transparent to electrons, a grasper being configured to receive and retain the plate, wherein the grasper is moveable relative to the blade; and a pusher section that lacks the sample pusher section.

25 Claims, 33 Drawing Sheets

