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(54) Title: ALTERNATING TANGENTIAL FLOW PUMPING METHOD

(57) Abstract: The present disclosure relates generally to alternating tangential flow (ATF) perfusion pumping methods, including novel methods for generating positive and negative pressure at the point of use, and more particularly, to apparatuses, systems and methods for use of the same.

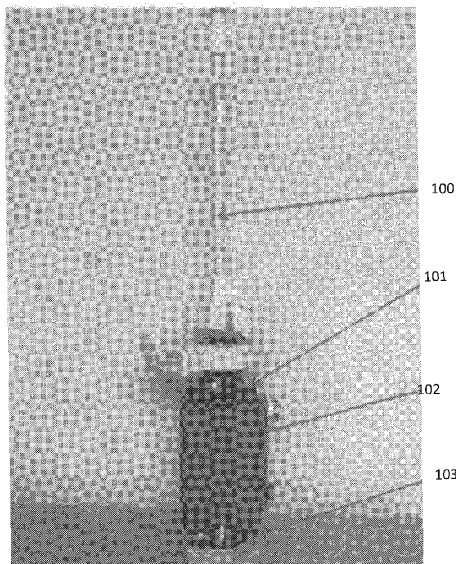


FIG. 1

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