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(54) **Title**: ROTATIONAL MOTION-INDUCING VARIABLE FLOW RESISTANCE SYSTEMS HAVING A SIDEWALL FLUID OUTLET AND METHODS FOR USE THEREOF IN A SUBTERRANEAN FORMATION

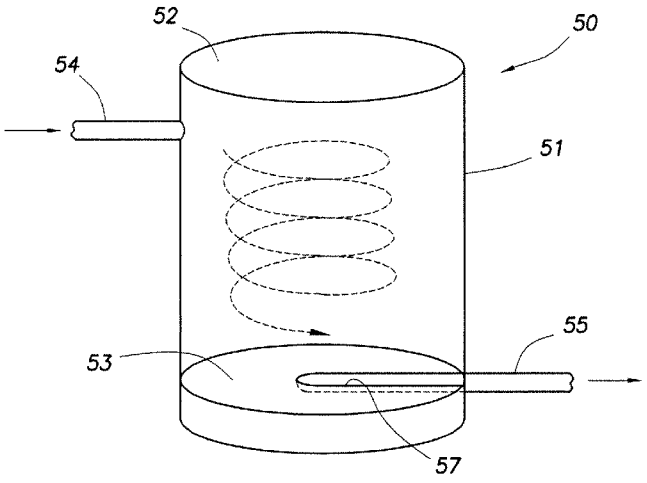


FIG.3A

(57) **Abstract**: Variable flow resistance systems can be used to regulate fluid flow in various applications, particularly within a subterranean formation. A variable flow resistance system can comprise a chamber configured to induce rotational motion of a fluid flowing therethrough, a fluid inlet coupled to the chamber, and a fluid outlet coupled to the chamber that allows the fluid to exit through at least a sidewall of the chamber. If desired, a plurality of the chambers can be connected in series fluid flow communication with one another.

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