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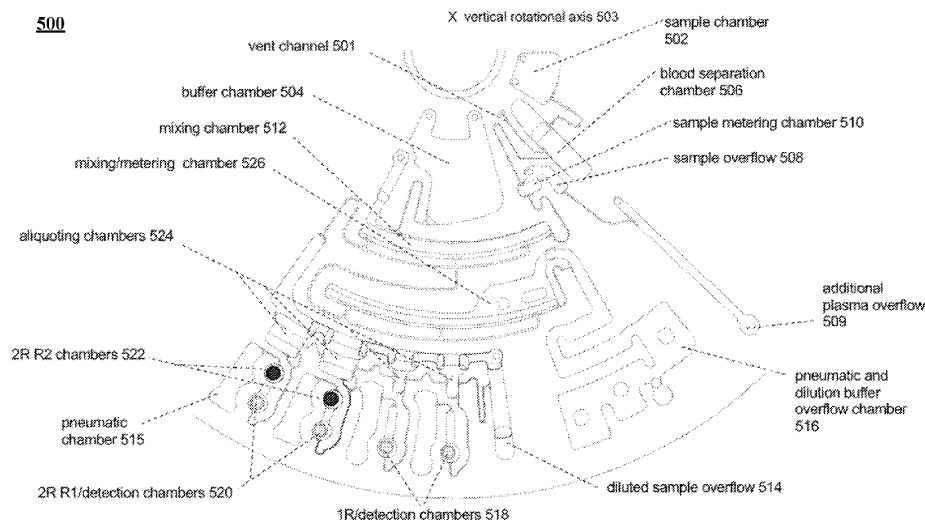


FIG. 5A

(57) Abstract: A rotatable device includes a plurality of reaction structures arranged circumferentially over at least a portion of the device. Each reaction structure in the plurality of reaction structures includes an aliquot chamber and a reaction chamber positioned radially outwards of the aliquot chamber. The aliquot chamber has an outlet and the reaction chamber has an inlet connected to the outlet of the aliquot chamber. The rotatable device also includes one or more connecting siphons radially leveled with each other and radially inwards of the outlets of the aliquot chambers of the plurality of reaction structures. Each respective connecting siphon in the one or more connecting siphons connects the aliquot chambers of corresponding adjacent reaction structures in the plurality of reaction structures.

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