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(54) Title: IN-LINE AIR BUBBLE SUSPENSION APPARATUS FOR ANGIOGRAPHY INJECTOR FLUID PATHS

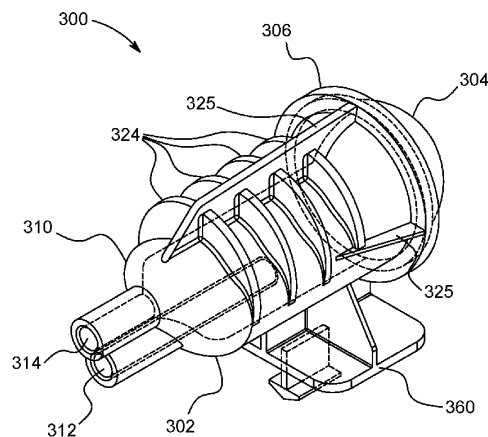


FIG. 3

(57) Abstract: An apparatus (300) for suspending air bubbles in a fluid path of a fluid injector system includes an internal chamber (320) having a curved interior wall (322) defined within the housing (310), an inlet fluid pathway in fluid communication with the internal chamber, and an outlet fluid pathway in fluid communication with the internal chamber. The inlet fluid pathway extending into the chamber at a tangent to the curved interior wall, and the outlet fluid pathway spaced from the inlet fluid pathway such that fluid flowing into the internal chamber via the inlet fluid pathway is directed away from the outlet fluid pathway. The internal chamber is configured to create an internal fluid vortex in an injection fluid entering the internal chamber from the inlet fluid pathway, and wherein the internal fluid vortex at least temporarily suspends air bubbles in the fluid in the internal vortex and delays the passage of the air bubbles to the outlet fluid pathway.

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