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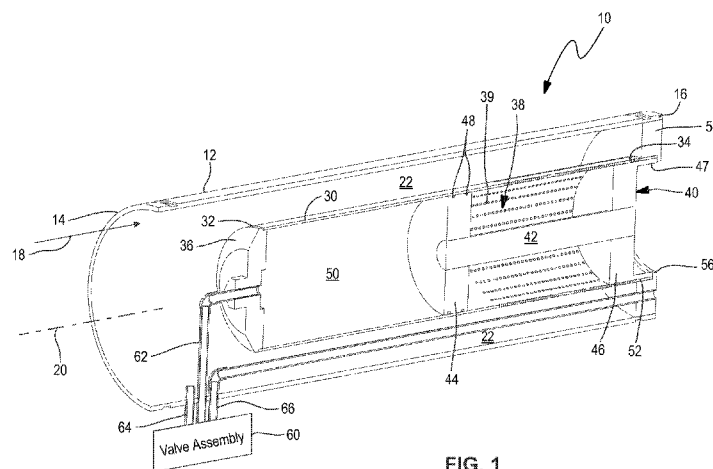
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(54) **Title:** ANTI-CAVITATION THROTTLE VALVE AND METHOD OF OPERATING THE SAME

**FIG. 1**

(57) **Abstract:** A throttle housing (12) having an inlet end (14) and an outlet end (16) includes a shuttle housing (30) disposed within the throttle housing (12). The shuttle housing (30) has a first end cap (36) at a first end (32) and an orifice array (38) therethrough. The shuttle housing (30) comprises a shuttle housing therein. The shuttle (40) has an opened position and a closed position relative to the shuttle housing (30). The shuttle (40) defines a varying control volume (50) between the end cap (36), the shuttle (40) and the shuttle housing (30). The control inlet (62) fluidically communicates a control fluid to the control volume (50) to control the position of the shuttle (40) in the shuttle housing (30).