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(54) Title: VIBRATORY GYROSCOPIC DEVICE FOR DETERMINING ANGULAR VELOCITY

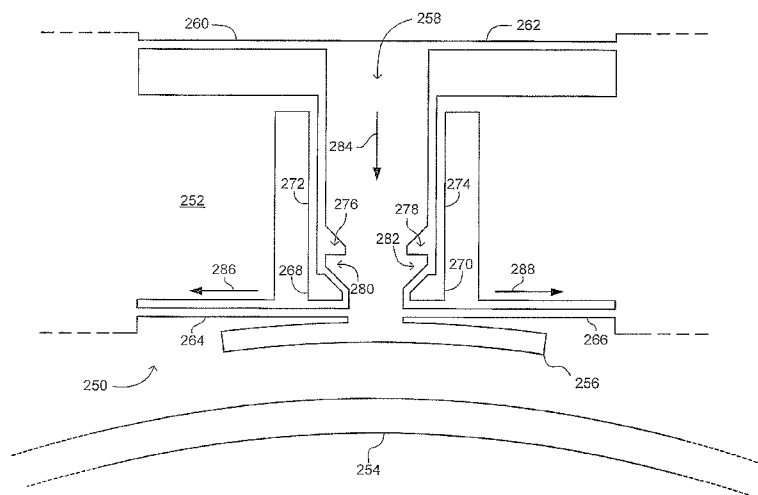


FIG. 3A

(57) Abstract: A vibratory gyroscope comprising a substrate, a ring, at least one capacitive actuator and at least one capacitive sensor, a central support having a diameter smaller than the ring diameter and being coupled with the substrate and a plurality of support springs that are coupled with the ring, the at least one capacitive actuator being capacitively coupled with the ring, for applying an elliptic mode frequency to the ring, the capacitive sensor being capacitively coupled with the ring, for sensing the changes in capacitance, the device further comprising a. latching assembly for decreasing the aspect ratio between the capacitive sensor and the ring, the assembly having a movable frame, coupled with the capacitive sensor, the movable frame latch from a manufacturing configuration to an operating configuration, in response to a force applied thereto, wherein, the aspect ratio at the manufacturing configuration is lower than the aspect ratio at the operating configuration.

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