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(54) **Title:** VIBRATING METER WITH GAP

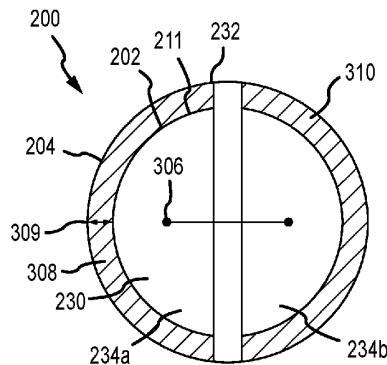


FIG. 3A

(57) **Abstract:** A vibrating meter comprises a vibrating element with a longitudinal direction and a cross-sectional area in a plane perpendicular to the longitudinal direction. The vibrating element moves between a first position and a second position in a plane perpendicular to the longitudinal direction of the vibrating element. An electronics is operable to drive the vibrating element between the first position and the second position. A boundary element and the vibrating element define a fluid velocity boosting gap having an average gap distance between the boundary element and the vibrating element. The vibrating element includes a gap-facing perimeter section facing the fluid velocity boosting gap having a gap perimeter length. In embodiments, a ratio of the gap perimeter length to the average gap distance is at least 160. In further embodiments, the average gap distance is 0.25 mm or less.

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