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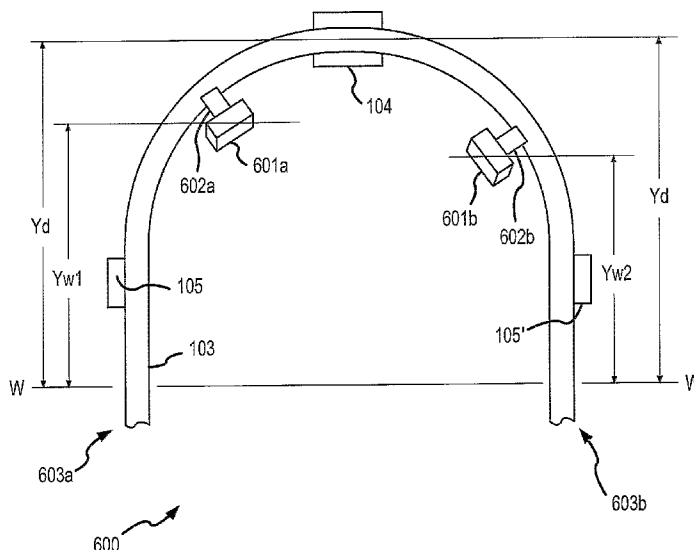
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(54) Title: SPLIT BALANCE WEIGHTS FOR ELIMINATING DENSITY EFFECT ON FLOW



(57) Abstract: A Coriolis flow meter includes at least one flow conduit (103), including a first conduit node (603a) and a second conduit node (603b) and a bending axis W that intersects the flow conduit (103) at the first conduit node (603a) and at the second conduit node (603b). The flow conduit (103) vibrates around the bending axis W. The meter further includes a drive system (104) and a balance system (600) coupled to the flow conduit (103). The balance system (600) includes two or more Y-balance weights (601a, 601b) and two or more attachment members (602a, 602b) that couple the two or more Y-balance weights (601a, 601b) to the flow conduit (103). At least a first Y-balance weight (601a) is coupled to the flow conduit (103) at a first location between the first conduit node (603a) and the drive system (104) and at least a second Y-balance weight (601b) is coupled to the flow conduit (103) at a second location between the drive system (104) and the second conduit node (603b).

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