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(54) Title: BALL VALVE

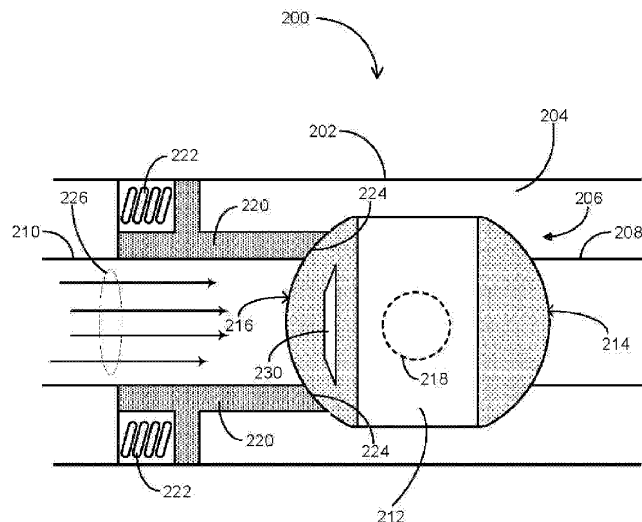


FIG. 2A

(57) Abstract: A ball valve stopper comprising a spherical contoured body comprising a substantially inelastic first material and having a flow port. A closed face of the spherical contoured body is orthogonal with respect to the flow port and includes a spherical fluid seal area. A rotation support member is aligned orthogonally to the flow port and the fluid seal area. A material discontinuity volume is disposed behind the closed face of the spherical contoured body.



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