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(54) Title: INTRAOCULAR GAS INJECTOR

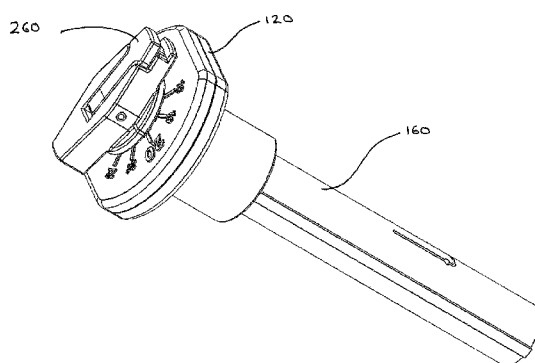


FIG. 4

(57) Abstract: A gas mixture apparatus includes a measurement control system, an activation system, a pressurized chamber with one or more gases, and a mixing chamber. The apparatus can also include additional pressure regulation control systems. The gas mixture apparatus can be used to introduce and automatically perform the steps to achieve a desired concentration of the one or more gases contained in the pressurized chamber. The gas mixture apparatus can include the pressurized chamber within the apparatus itself such that no external devices are necessary for introducing the one or more gases into the mixing chamber.