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(54) Title: FLUID FILLED LENSES AND MECHANISMS OF INFLATION THEREOF

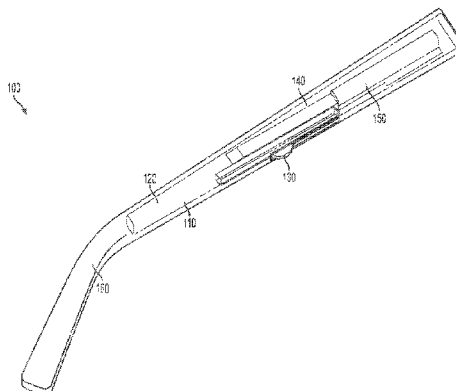


FIG. 1

(57) Abstract: An actuator for a fluid-filled lens including a housing having a first and a second end; a reservoir disposed within the housing. In an embodiment, a slider is slidably disposed within the housing and disposed adjacent to the reservoir. In an embodiment, the actuator further includes a compression arm having a first end that is fixed and a second end that is not fixed, wherein the compression arm is disposed adjacent to the reservoir. Sliding the slider from one end of the housing to the other causes the slider to push the second end of the compression arm so as to compress the reservoir. In an embodiment, the slider includes a first end having a wedge shape configured to compress the reservoir. Sliding of the slider from one end of the housing to the other causes the first end of the slider to compress the reservoir.

