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(54) Title: PRESSURE REGULATOR

(57) Abstract: A device includes a housing including a first chamber having a first pressure regulating device, a first fluid inlet, and a first fluid outlet. The first pressure regulating device includes a plurality of first levers; a first spring; and a first pressure activated device. In response to an external pressure decreasing, the first pressure activated device overcomes a first closing force and opens the first fluid inlet. A second chamber has a second pressure regulating device including a second fluid inlet and a second fluid outlet; a plurality of second levers; a second spring; and a second pressure activated device configured to constrict as the external pressure increases. In response to the external pressure decreasing, the second pressure activated device is configured to overcome a second closing force and open the second fluid inlet.

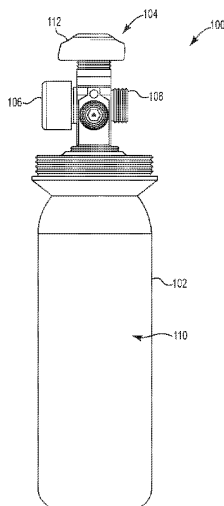


FIG. 1

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