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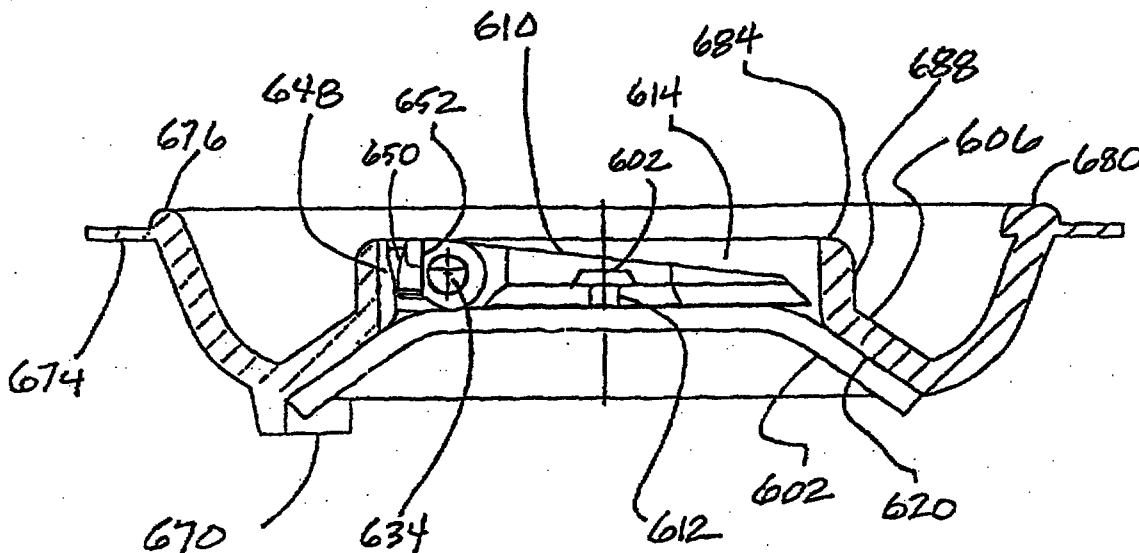
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(54) Title: VALVE FOR INFLATABLE OBJECTS ✓



(57) Abstract

A self sealing valve includes a diaphragm (602) positioned within a valve housing (606) by a movable hanger arm (610) which suspends the diaphragm from a mounting point (612) in the center of an air inlet (614). The hanger arm (610) is a rotating diaphragm hanger that has one end secured adjacent to an inner wall (618) of the air inlet (614) by a pair of pins (634). There is a contoured section (648) between the hinge pins (634) of the inner wall which interfaces with a contoured end (650) to provide for at least four distinct interaction possibilities. A first (676) retains the hanger arm (610) in a valve closed position. A second (670) causes the valve to exhibit a biased closed condition. A third (674) locks the valve open and a fourth (670) facilitates assembly.