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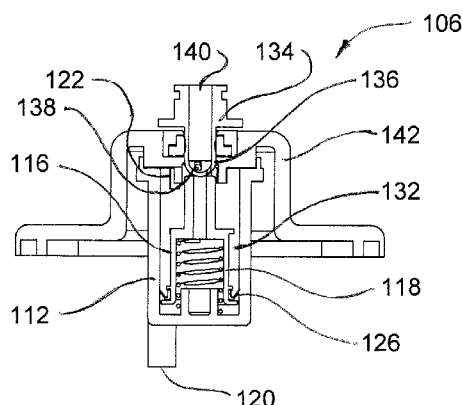
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(54) Title: GAS GENERATOR WITH COMBINED GAS FLOW VALVE AND PRESSURE RELIEF VENT

FIG. 4



(57) Abstract: A gas generator includes a reactant capable of producing a gas and a gas outlet valve that can function as both a gas flow valve and a pressure relief vent, using the same gas flow path through the valve. When the valve is closed and the pressure within the gas generator is below a threshold pressure, a moveable valve member is biased against a valve seat to block the outlet port. When gas generator is coupled to the apparatus, an actuator is inserted into the valve, displacing the moveable valve member and separating it from the valve seat to open the valve. When the gas generator is uncoupled, pressure at or above a threshold displaces the moveable member, separating it from the valve seat to open the outlet port so pressure can be released to the external environment.

