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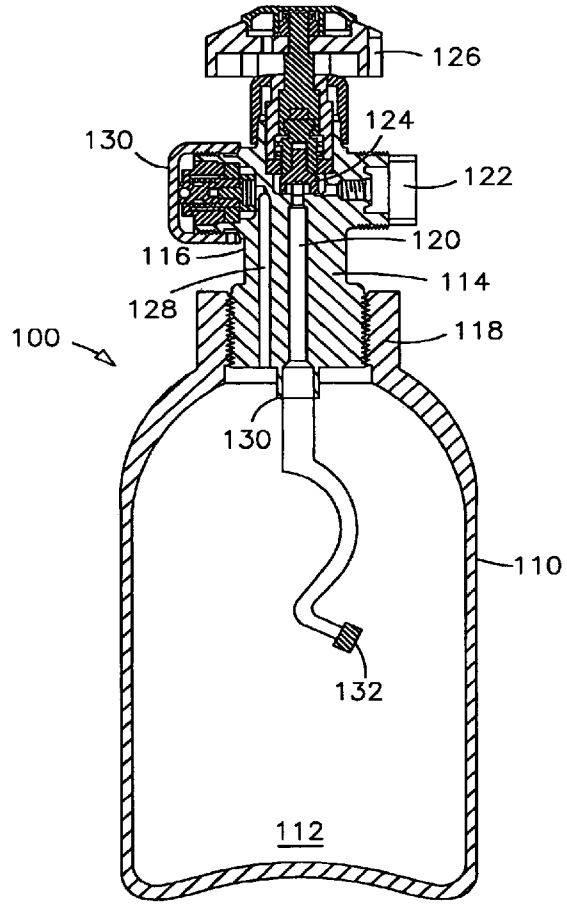
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(54) Title: LOW RELEASE RATE CYLINDER PACKAGE



(57) Abstract: An apparatus (100) for controlling the discharge of pressurized fluids from the outlet of a high pressure cylinder (110) containing toxic hydridic or flammable compounds is provided. The apparatus (100) contains a cylinder (110) for holding a pressurized fluid in an at least partial gas phase; a cylinder port body (114) threaded to the upper part of the cylinder (110) in a sealed position; a dual port head valve assembly (116) disposed within the cylinder port body (114), wherein a first port (130) is utilized to fill the cylinder with a pressurized fluid, and a second port in fluid communication with an outlet of the cylinder (122) to discharge the pressurized fluid; a gas flow discharge path (12 0) defined in part by the second port body and the outlet, and further including a restricted flow path (130) and a flow channel disposed upstream of the second port body, but wherein the gas flow discharge path does not include a restrictive element selected from the group of pressure regulators, check valves and restrictive flow orifices; and the restricted flow path (13 0) limits the flow rate of the gas discharged from the cylinder to 5,000 seem when the outlet of the cylinder (110) is exposed to an atmospheric condition.

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PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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