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(54) Abstract Title
Compressed gas cartridge for multiple discharge use

(57) A cartridge for storing and releasing compressed gas which comprises a regulator valve (29) arranged to control the flow of gas from a high pressure gas storage chamber (C1) to a gas discharge chamber (C3) via an intermediate chamber (C2) so that when the gas pressure in the discharge chamber (C3) reaches a predetermined value the valve (29) shuts off the flow and when the gas pressure in the discharge chamber falls the valve opens to allow gas to flow into the discharge chamber, whereby the gas discharged from the cartridge in successive discharges is maintained at a substantially constant pressure despite the falling pressure in the storage chamber as the cartridge empties. The valve (29) comprises a piston (30) which forms a passageway (33) between the intermediate chamber and the discharge chamber and is movable into and out of contact with a seal which closes the passageway, the seal being adjustable to vary the pressure in the discharge chamber at which the valve (29) shuts off the flow of gas from the storage chamber (C1) into the discharge chamber (C2).

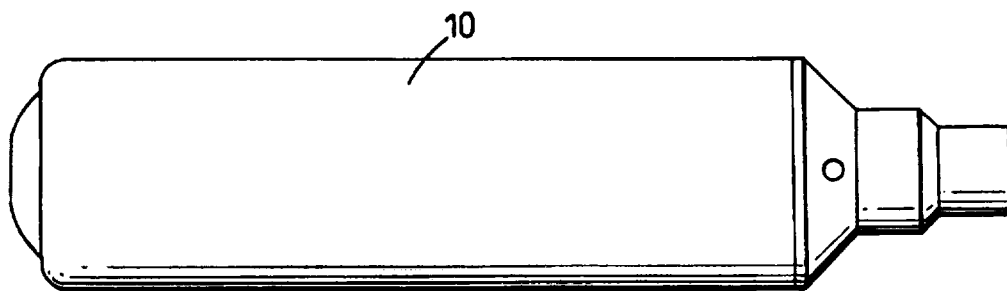


Fig. 1

At least one drawing originally filed was informal and the print reproduced here is taken from a later filed formal copy. The claims were filed later than the filing date but within the period prescribed by Rule 25(1) of the Patents Rules 1995. This print takes account of replacement documents submitted after the date of filing to enable the application to comply with the formal requirements of the Patents Rules 1995

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