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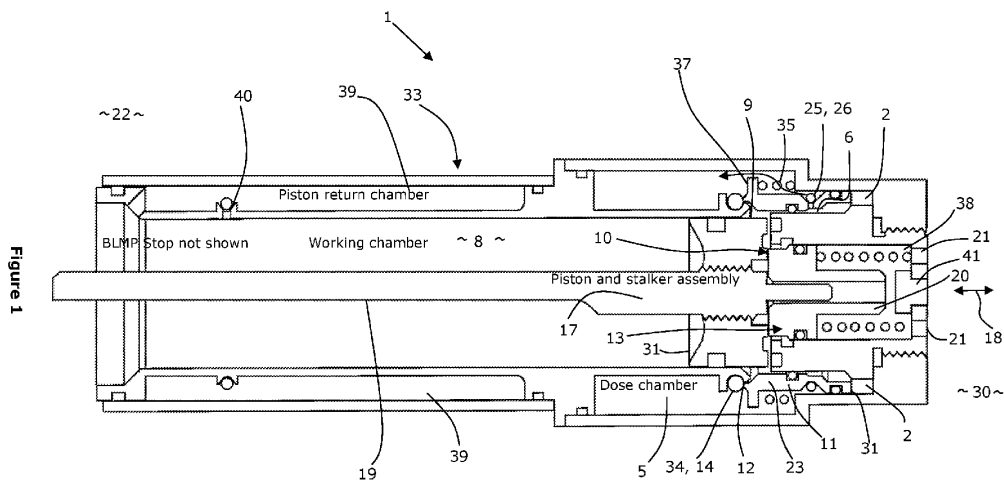
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(54) Title: IMPROVEMENTS IN, OR RELATING TO, AN ACTUATION SYSTEM



(57) Abstract: Disclosed is a device and method to operate on and control a high pressure fluid. The device has a dump chamber to receive high pressure fluid from a high pressure fluid source, and a dose chamber, to receive a flow of the high pressure fluid from the dump chamber via a flow path from the dump chamber to the dose chamber, having an outlet. Present also is a working chamber having an inlet end at an end thereof, and a dose valve member with an annular sealing surface surrounding the inlet end. When the dose valve member in a closed condition the sealing surface meets with an annular seat to seal the outlet; and with the dose valve member in an open condition a gap is presented between the annular sealing surface and the seat to allow high pressure fluid to move from the outlet to the inlet. The high pressure fluid in the dump chamber, at least in part, holds the dose valve member in the closed condition, until the high pressure fluid pressure in the dump chamber is reduced, whereby the high pressure fluid in the dose chamber unseats

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