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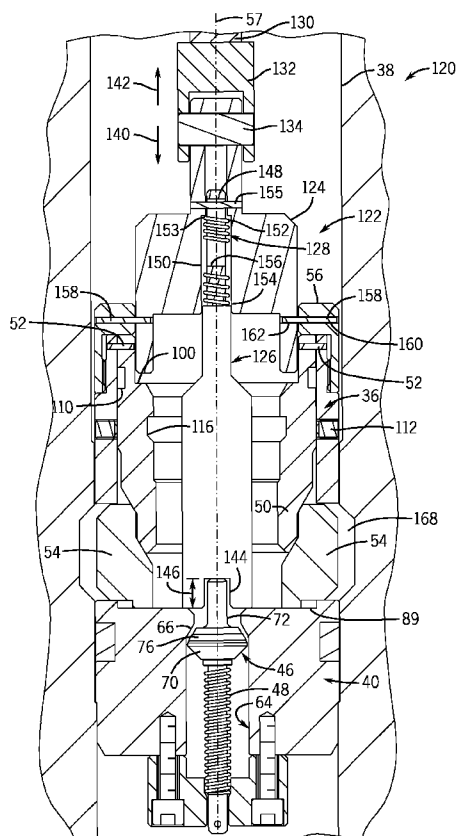
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(54) Title: BACK PRESSURE VALVE

FIG. 3



(57) Abstract: A system in some embodiments includes a back pressure valve configured to mount in a mineral extraction system. The back pressure valve comprises a cylindrical body comprising a venting port coaxial with a longitudinal axis of the cylindrical body and a plunger disposed in the venting port, wherein the plunger comprises a stem that extends from the venting port into an adjacent cavity of the cylindrical body. In some embodiments, a method of operating a valve, includes biasing a plunger to an open position, biasing a valve locking mechanism to a locked position in relation to a bore of a mineral extraction system, and biasing a plunger to a closed position.



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