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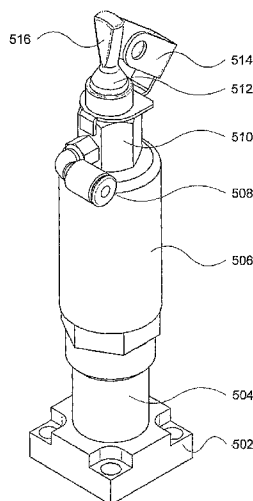
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(54) Title: OPTIMIZED ACTIVATION PREVENTION ASSEMBLY FOR A GAS DELIVERY SYSTEM AND METHODS THEREFOR



(57) Abstract: An optimized activation prevention assembly for a gas delivery system is disclosed. The apparatus includes a pneumatically operated valve assembly. The apparatus also includes a toggle switch mechanically attached to the pneumatically operated valve assembly, the toggle switch includes a toggle arm, the toggle arm being positioned in one of an activation zone and a deactivation zone, wherein when the toggle arm is positioned in the activation zone, the pneumatically operated valve is activated, and wherein when the toggle arm is positioned in the deactivation zone, the pneumatically operated valve is deactivated. The apparatus further includes an activation prevention mechanism attached to the toggle switch, wherein when the activation prevention mechanism being configured for preventing the toggle arm from being repositioned from the deactivation zone to the activation zone without at least bypassing a lockout function of the optimized activation prevention mechanism.



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