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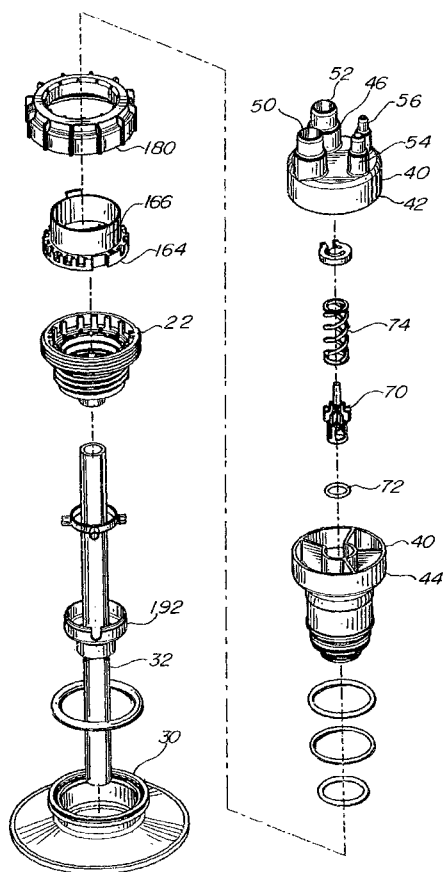
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(54) Title: HIGH VOLUME DISPENSE HEAD WITH SEAL VERIFICATION AND LOW FOAM RETURN LINE



(57) Abstract: A fluid dispensing system for use with a drum with a bung, and a drum insert that includes a downtube that inserts into the bung. A dispense head has provision for a return flow line that discharges recirculated fluid into the annular space around the drum insert downtube. A foaming reduction device minimizes foam created from the recirculation. The invention includes a spring-loaded poppet that closes when the dispense head is removed from the bung opening. The poppet is configured such that the engagement member is a ring shaped with support members extending axially. The engagement member seats on and couples with a nipple on the drum insert. The nipple has a seating portion to engage the engagement member of the poppet. The invention also includes a seal verification conduit in fluid communication with a space intermediate two seals at a junction between the dispense head and the drum insert.

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