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(54) Title: FILTRATION SYSTEM AND FILTER ASSEMBLY ASSOCIATED THEREWITH

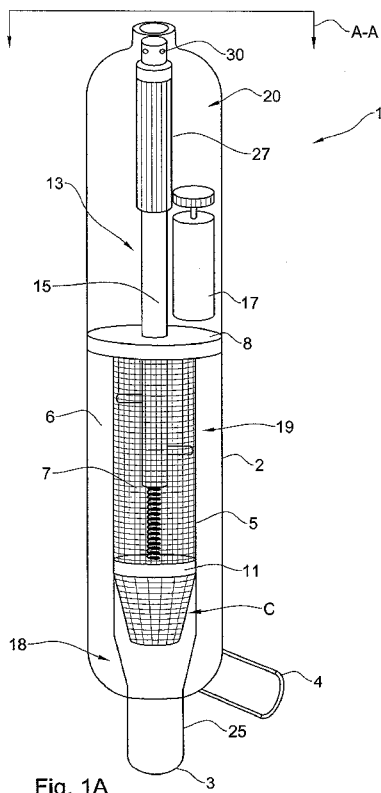


Fig. 1A

(57) Abstract: The presently disclosed subject matter is directed to a filtration system.

The filtration system comprising a housing and at least one filter assembly extending within the housing. Each of the at least one filter assembly comprising a filter element disposed within the main filtering chamber; a cleaning assembly comprising a suction shaft. The suction shaft comprising at least one suction nozzle along a portion thereof, and being sealed at its one end and configured with at least one exhaust opening at its other end configured for extending within an exhaust chamber. Further comprising a liquid resistant driving mechanism disposed within the exhaust chamber and configured to impart the suction shaft with rotary motion and reciprocal linear motion. The suction shaft is adapted for selectively closing and opening the fluid drain port.



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