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(54) Title: FILTRATION APPARATUS

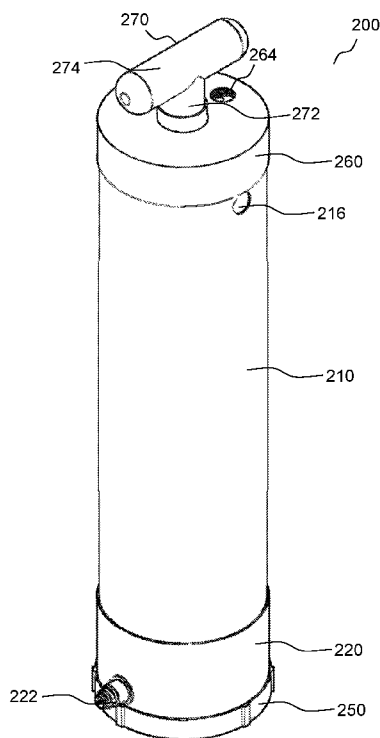


FIG. 2A

(57) Abstract: Various embodiments relate generally to a filtration apparatus. The filtration apparatus may include a filtration module having an inner longitudinal chamber and an outer annular chamber surrounding the inner longitudinal chamber. The filtration module may further include a base module coupled to an end of the filtration module, and an integrated check valve module coupled to a corresponding end of the inner longitudinal chamber of the filtration module through the base module. The base module and the integrated check valve module may be configured to define an annular base chamber adjacent to a corresponding end of the outer annular chamber of the filtration module. The integrated check valve module may include a housing having a first port for external fluid communication, a second port to interface with the annular base chamber and a third port to interface with the inner longitudinal chamber.



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