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Levitt

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(54) **FLUID FILTRATION AND PARTICLE CONCENTRATION DEVICE AND METHODS**

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See application file for complete search history.

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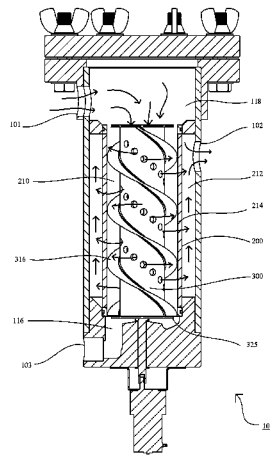
(57) **ABSTRACT**

Fluid filtration devices and methods of filtering fluids are described. The devices generally include a housing and an annular filter assembly, wherein the filter assembly is located inside the housing and comprises a filter material. The filter material may be, for example, an electroformed nickel screen having a smooth working surface and expanding pores. A rotating cleaning assembly comprising a distributor and wipers may be located inside the filter assembly.

38 Claims, 13 Drawing Sheets