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(71) Applicant (*for all designated States except US*): **MUNYAN, David** [US/US]; 554 Lynn Avenue, Woodbury, NJ 08096 (US).

(71) Applicants and

(72) Inventors: **BARBARO, Ronald, D.** [US/US]; 51 Hickory Trail, Southern Shores, NC 27949 (US). **MCILWAIN, Ronald, F.** [US/US]; 6612 Denny Place, McLean, Virginia 22101 (US).

(74) Agents: **LILLYWHITE, Jeffery, M.** et al.; 299 South Main Street, Suite 1800, Salt Lake City, UT 84111 (US).

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(54) Title: MODULAR FILTRATION SYSTEM

(57) Abstract: A filter system includes a set of modules, each module including screen assemblies and filter media sandwiched between the screen assemblies. A plurality of control assemblies are associated with each of the modules. Each of the control assemblies is in fluid communication with a corresponding module to control flow through the corresponding module. The control assemblies selectively control fluid in each of the modules between at least one of a forward flow through the screen assemblies to treat an influent flow, a bypass flow to bypass at least one of the modules, and a reverse flow to backwash a given filter media. A method of filtering influent includes providing an influent flow to a set of modules, each module including screen assemblies and filter media sandwiched between the screen assemblies. The influent is filtered by directing the influent through the set of modules. A given module is bypassed when the given module becomes occluded. The occluded module is backwashed by providing a reverse flow through the screen assemblies and the filter media.



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