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(71) Applicants and

(72) Inventors: **DUKES, Jon, W.** [US/US]; 1200 Marion Street, Columbia, SC 29201 (US). **PENDERGRASS, Rickie, A.** [US/US]; 1735 Mt. Holly Road, Rock Hill, SC 29730 (US). **PLATTS, Drew, L.** [US/US]; 1460 Friendship Road, Barnwell, SC 29812 (US). **SOARES, Jairo, L.** [BR/BR]; Rua Grapecica 142 - Brooklin Novo, CEP 04562-040, Sao Paulo - SP (BR).

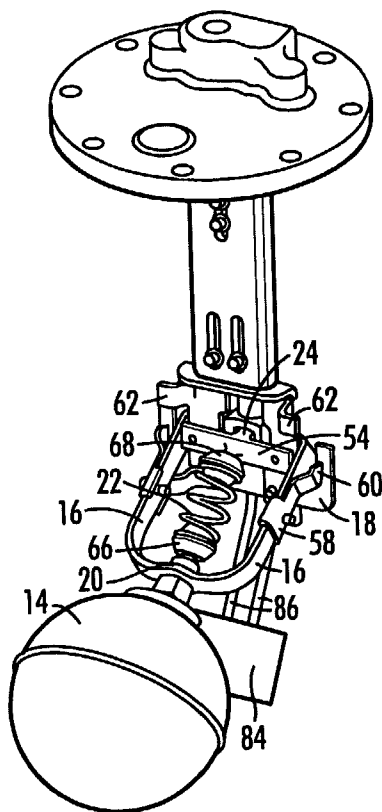
(74) Agents: **WEVER, Michael, E.** et al.; Nelson Mullins Riley & Scarborough, P.O. Box 11070, Columbia, SC 29211 (US).

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[Continued on next page]

(54) Title: GAS PRESSURE DRIVEN FLUID PUMP HAVING COMPRESSION SPRING PIVOT MECHANISM AND DAMPING SYSTEM



(57) Abstract: A gas pressure driven fluid pump having a pump tank with a liquid inlet and a liquid outlet. A float assembly is carried within the interior of the pump tank and is movable between a low level position and a high level position. A compression spring is connected between the float assembly and a pivot member. Due to the force applied by the compression spring, the pivot member rotates to a first position when the float reaches its high level position and rotates to a second position when the float reaches its low level position. A valve assembly is connected to said pivot member to switch between motive porting and exhaust porting in a snap over fashion due to rotation of said pivot member between said first position and said second position. A damper system may be connected to the valve assembly to slow movement of the valve assembly between motive porting and exhaust porting.

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