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- (71) **Applicant** (for all designated States except US): **HAL-LIBURTON ENERGY SERVICES, INC.** [US/US]; 2601 Beltline Road, Carrollton, TX 75006 (US).
- (72) **Inventors; and**
- (75) **Inventors/Applicants** (for US only): **FRIPP, Michael, Linley** [US/US]; 3826 Cemetery Hill Road, Carrollton, TX 75007 (US). **DYKSTRA, Jason, D.** [US/US]; 3405 Hillpark Lane, Carrollton, TX 75007 (US). **DEJESUS, Orlando** [VE/US]; 91 Commonwealth Drive, Frisco, TX 75034 (US).
- (74) **Agent:** **YOUST, Lawrence, R.**; Lawrence Youst PLLC, One Waterway Court, Suite 3B, The Woodlands, TX 77380 (US).

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(54) **Title:** BIDIRECTIONAL DOWNHOLE FLUID FLOW CONTROL SYSTEM AND METHOD

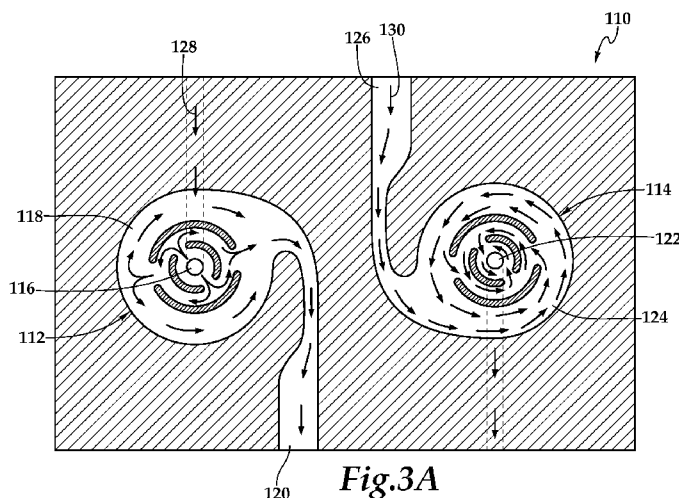


Fig.3A

(57) **Abstract:** A bidirectional downhole fluid flow control system is operable to control the inflow of formation fluids and the out-flow of injection fluids. The system includes at least one injection flow control component and at least one production flow control component in parallel with the at least one injection flow control component. The at least one injection flow control component and the at least one production flow control component each have direction dependent flow resistance, such that injection fluid flow experiences a greater flow resistance through the at least one production flow control component than through the at least one injection flow control component and such that production fluid flow experiences a greater flow resistance through the at least one injection flow control component than through the at least one production flow control component.

