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(71) Applicant: **HALLIBURTON ENERGY SERVICES, INC.** [US/US]; 3000 N. Sam Houston Parkway E, Houston, Texas 77032 (US).

(72) Inventors: **GALINDO, Abram Serda**; 2102 Placid Drive, Carrollton, Texas 75007 (US). **VICK, James Dan, JR.**; 13545 Purple Sage Road, Dallas, Texas 75240 (US).

**COLLINS, Leo Guadalupe**; 13208 Cedar Lane, Farmers Branch, Texas 75234 (US). **BAYH, Russell Irving**; 3715 Canon Gate Circle, Carrollton, Texas 75007 (US). **WILLIAMSON, Jimmie Robert**; 1421 Flowers Drive, Carrollton, Texas 75007 (US).

(74) Agent: **SUAREX, Vera L.**; Haynes and Boone LLP-IP Section, 2323 Victory Avenue, Suite 700, Dallas, Texas 75219 (US).

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(54) Title: FLAPPER VALVE WITH BEAM SPRING

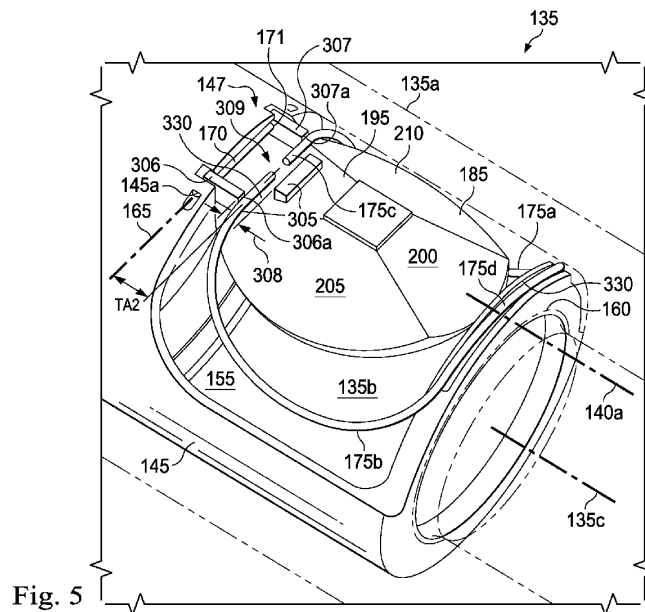


Fig. 5

(57) Abstract: A flapper valve assembly that includes a tubular forming an interior passageway and comprising an internal shoulder; a valve seat forming a portion of the interior passageway and spaced from the internal shoulder to form a flapper chamber; a flapper plate that is pivotably mounted to the tubular at a pivot point and positioned within the flapper chamber; wherein the flapper plate is pivotable within the flapper chamber between a valve closed and valve open position; and a first spring extending within the flapper chamber and engaging the flapper plate such that the flapper plate is biased towards the valve closed position; wherein the first spring comprises spaced right and left arms that are in contact with the flapper plate; and wherein, when the flapper plate is in the valve closed position, each of the right and left arms extends away from the flapper plate and towards the internal shoulder.

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