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ABSTRACT

5 AN IMPROVED CLEANING SYSTEM

10 A cleaning system for cleaning tubing using cleaning balls 20 circulated with the fluid through tubing 8. The system includes a separator 12 having a perforated funnel, which permits the fluid, but not the cleaning balls 20, to pass through. A housing 21 having an apertured partition 28 is used to divide the housing 21 into a first compartment 19 and a second compartment 27. An entrance 2 of a fluid supply pipe 23 and an exit 3 of a ball supply pipe 24 are formed for creating a difference in pressure to create a suction force to recirculate the cleaning balls 20 from the housing 21 via the ball supply pipe 24, back to the tubing 8 for cleaning the walls of the tubing 8. An entrance 13 of a ball return pipe 17 and an exit 14 of a fluid return pipe 16 are formed for creating a difference in pressure to create a suction force to recirculate the cleaning balls 20 from the separator 12 via the ball return pipe 17, into the housing 21.

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FIGURE 1

