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(54) **RUPTURE CONTROL SYSTEM**

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(58) **Field of Classification Search** **137/68.14, 137/312, 71, 75; 285/13, 123.1; 138/104, 138/11, 103, 114**

See application file for complete search history.

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(57) **ABSTRACT**

In various embodiments, the present invention includes a rupture control system comprising an inner hose, an outer hose, and a valve that is actuated by fluid leaking from the inner hose. The inner hose and the outer hose define a containment passageway therebetween, and the valve includes an inlet, an outlet, a passageway extending between the inlet and the outlet, a valve member readily movable between a first position and a second position, and a valve control chamber. In these embodiments, a rupture in the inner hose places the inner hose in fluid communication with the containment passageway and the valve control chamber, and fluid flowing into the valve control chamber moves the valve member from its first position into its second position, the valve member at least partially blocking the valve passageway in the second position.

16 Claims, 12 Drawing Sheets

