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- (54) Title:** STRESS REACTIVE VALVE

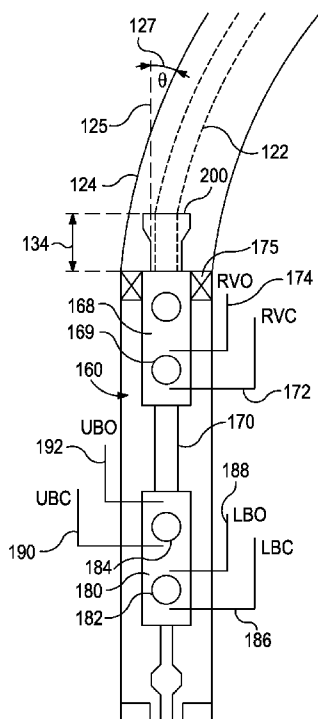


FIG. 5

- (57) Abstract:** A stress reactive valve includes a valve body disposed in a subsea safety system or other elongated components of hydrocarbon production systems. The valve body includes a frangible or breakable material such that when the subsea safety system or other elongated system undergoes a stress, such as a bending stress, the frangible valve body can react to the stress by breaking and thereby establishing fluid communication or a fluid path across the valve body. In a first or unbroken condition of the valve body, the valve body prevents fluid communication between a fluid inlet and a fluid outlet. In a second or broken condition of the valve body, fluid communication is allowed between the fluid inlet and outlet. The fluid communication can be used to actuate a device, or the fluid pressure can be used as pilot pressure to actuate a pilot operated valve system.



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