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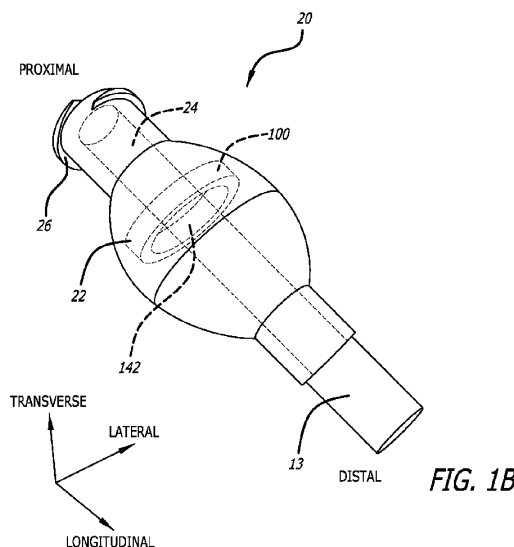
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- (71) **Applicant: BARD ACCESS SYSTEMS, INC.** [US/US];
605 North 5600 West, Salt Lake City, UT 84116 (US).
- (72) **Inventor: BLANCHARD, Daniel, B.;** 4507 Summerwood
Drive, Bountiful, UT 84010 (US).
- (74) **Agent: WIGHT, Todd, W.;** Rutan & Tucker Llp, 18575
Jamboree Road, 9th Floor, Irvine, CA 92612 (US).
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(54) **Title:** VALVE CONFIGURATIONS FOR A TUNABLE VALVE



(57) **Abstract:** A valve connector for a tunable valve is disclosed, with tunable features to allow for optimization. The tunable valve can include slits, which may be preferentially placed, angled and sized to optimize the crack pressure, maintenance pressures, and clearance characteristics of the connector. The tunable valve may also include a recess in the area of an exemplary center slit, which may be sized further modify the characteristics of the connector valve. The valve may be preferentially curved along either a lateral axis or a transverse axis. The tunable valve may be a proximal valve that is capable of being secured between proximal housing and distal housing. The proximal housing opening may be preferentially shaped.

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