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(71) Applicant (for all designated States except US): **VELA BIOSYSTEMS LLC** [US/US]; 2150 W. 6th Ave, Suite M., Broomfield, CO 80020 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **FISH, David, R.** [US/US]; 6349 Vanderbilt Street, Houston, TX 77005 (US).

(74) Agent: **YASKANIN, Mark, L.**; Holme Roberts & Owen LLP, 1700 Lincoln Street, Suite 4100, Denver, CO 80202 (US).

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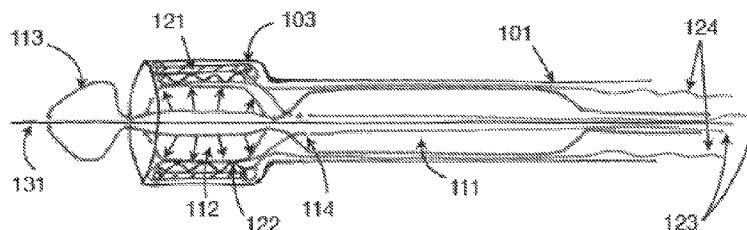


FIG. 4B

(57) Abstract: A dual-balloon delivery catheter system includes a carrier segment that is a lead/carrier balloon or mandrel at a distal portion of a catheter. The carrier segment is sequentially arrayed with a more proximally positioned delivery segment, wherein the delivery segment is a delivery balloon or mandrel. The first carrier segment expands the stent-valve a sufficient amount to receive the delivery segment after the carrier segment is moved away from the stent-valve. The delivery segment is then positioned at the target site and the stent-valve is then deployed.

