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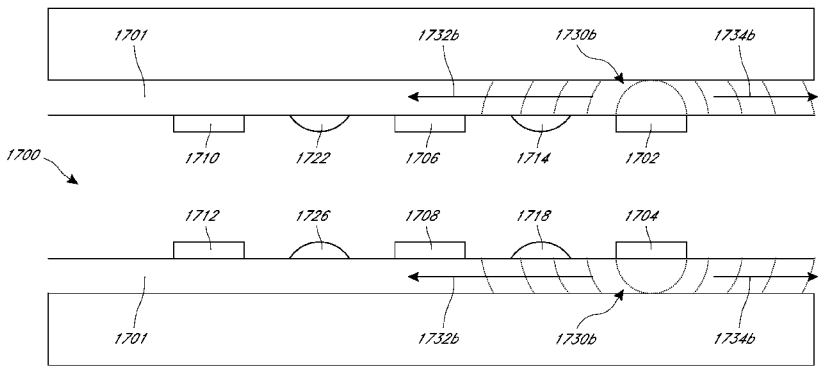



*FIG. 17B*

(57) Abstract: An ultrasound catheter with a lumen for fluid delivery and'or fluid evacuation, and ultrasound radiating elements is used for the delivery of therapeutic compounds to a target location. After the catheter is inserted into a cavity, a therapeutic compound can be delivered to the target location via selective activation of the ultrasound radiating elements. Selective activation of the ultrasound radiating elements can be used to cause fluid flow in a direction proximal and/or distal the catheter. Moreover, selective activating can be used to maintain fluid between certain of the ultrasound radiating elements.

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