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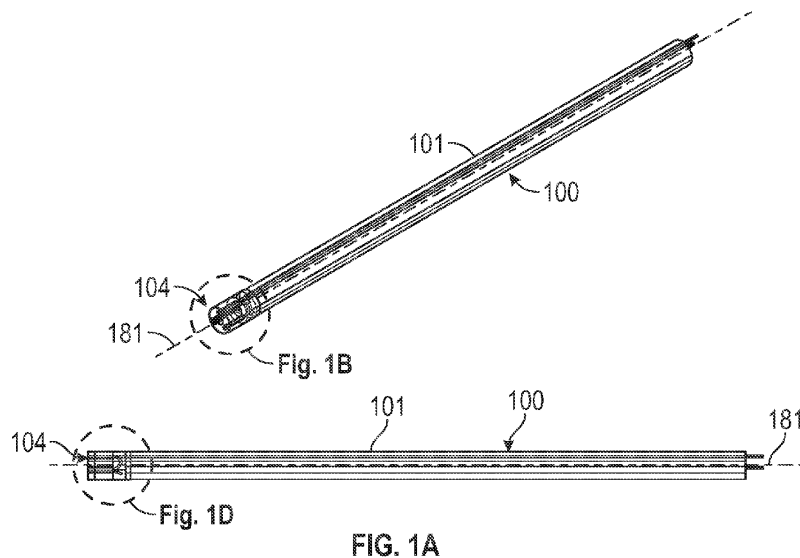
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(54) Title: SYSTEMS, DEVICES, AND METHODS FOR GENERATING SHOCK WAVES IN A FORWARD DIRECTION



(57) Abstract: An exemplary catheter for use in a body lumen comprises: a catheter body; and a plurality of shock wave emitters disposed at a distal end of the catheter body, each shock wave emitter configured to generate a shock wave that propagates distally of the catheter body, wherein the plurality of shock wave emitters are arrayed about a longitudinal axis of the catheter body such that shock waves emitted from the plurality of shock wave emitters can constructively interfere distally of the catheter body, and wherein each shock wave emitter comprises electrodes separated by a spark gap and at least one electrical connector that connects at least one of the electrodes to an electrode of another shock wave emitter of the plurality of shock wave emitters.

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