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King

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(54) **METHODS AND SYSTEMS FOR MINIMALLY INVASIVE ENDOSCOPIC SURGERIES**

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See application file for complete search history.

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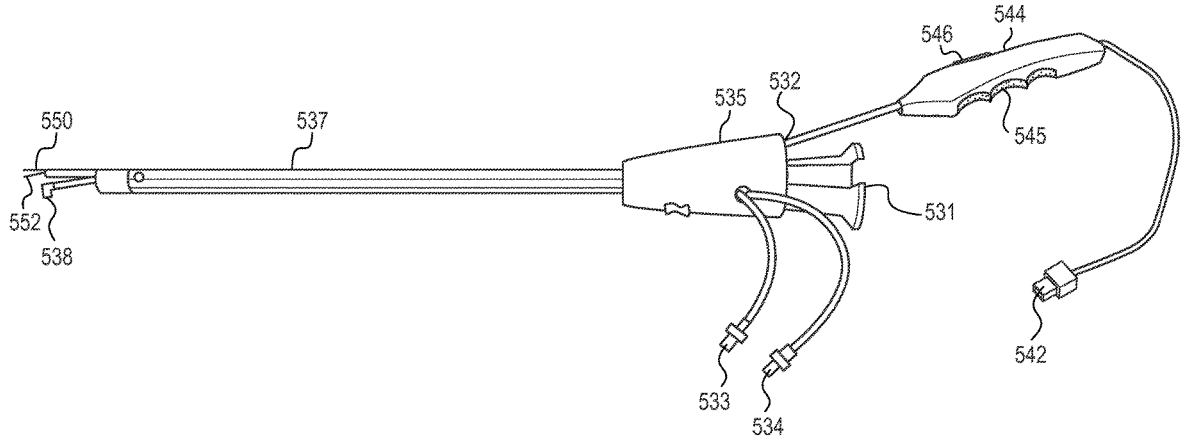
(57) **ABSTRACT**

The present invention provides systems and methods for minimally invasive endoscopic surgical procedures. In certain embodiments, the surgical procedures include harvesting of a deep basilic or cephalic vein for creation of a brachial-basilic or brachial-cephalic AV fistula, with simultaneous transpositioning, harvesting of a deep basilic or cephalic vein for transposition of an existing brachial-basilic or brachial-cephalic AV fistula, and ligating and excising an aneurysmal radial-cephalic, brachial-cephalic, or brachial-basilic AV fistula from the upper or lower arm.

16 Claims, 7 Drawing Sheets