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(54) **INTRAVASCULAR BLOOD FILTERS AND METHODS OF USE**

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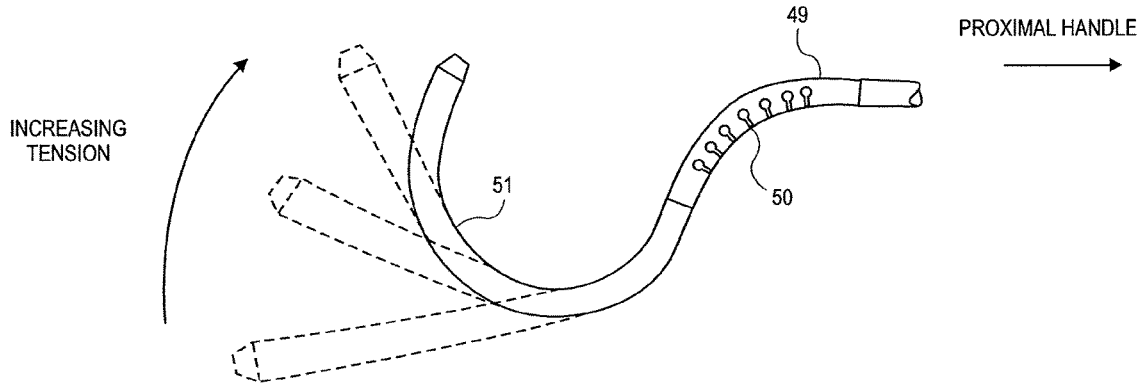
(57) **ABSTRACT**

Multi-filter endolumenal methods and systems for filtering fluids within the body. In some embodiments a multi-filter blood filtering system captures and removes particulates dislodge or generated during a surgical procedure and circulating in a patient's vasculature. In some embodiments a dual filter system protects the cerebral vasculature during a cardiac valve repair or replacement procedure.

28 Claims, 36 Drawing Sheets