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(54) **IMPLANTABLE MEDICAL DEVICE HAVING A SLEEVE**

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(52) **U.S. Cl.**

CPC . ***A61F 2/06*** (2013.01); ***A61F 2/04*** (2013.01); *A61F 2/24* (2013.01); *A61F 2002/044* (2013.01)

(58) **Field of Classification Search**

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See application file for complete search history.

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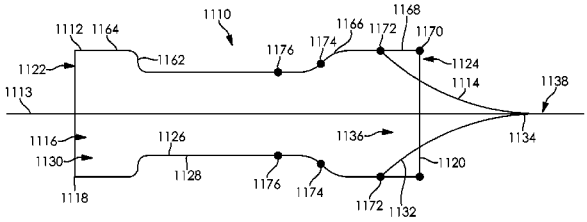
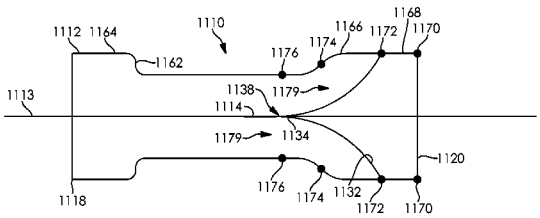
(57) **ABSTRACT**

Implantable medical devices are described. For example, various implantable medical devices having a sleeve with differential wall thicknesses are described. An exemplary medical device comprises a frame and a sleeve that has a first configuration where the sleeve is in an extended position and a second configuration where the sleeve is in an inverted position.

20 Claims, 7 Drawing Sheets