



(12) **United States Patent**
Deem et al.

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(54) **DEVICES AND METHODS FOR TREATMENT OF ABDOMINAL AORTIC ANEURYSM**

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See application file for complete search history.

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(51) **Int. Cl.**

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(57) **ABSTRACT**

Devices and methods for treating aneurysms, such as abdominal aortic aneurysms (“AAA”) generally include one or more stent-graft devices. Some embodiments include self-expanding and/or balloon-expandable stent components and one or more graft components coupled with the stent components. Using various combinations of self-expanding stent members, balloon-expandable stent members, graft members, and/or anchoring members enhances the anchoring abilities of a stent-graft device to prevent leakage around it, and may further allow the device to be adjusted after placement at a site for treatment. Some embodiments further include a skirt graft member for further prevention of leakage and/or device slippage.

(58) **Field of Classification Search**

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