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(54) **METHODS AND APPARATUS FOR TREATING EMBOLISM**

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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

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CPC *A61B 17/22* (2013.01); *A61B 17/221* (2013.01); *A61B 17/22032* (2013.01);

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See application file for complete search history.

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(57) **ABSTRACT**

A method and apparatus for treating a clot in the blood vessel of a patient, and particularly the treatment of a pulmonary embolism is disclosed. The treatment includes restoring flow through the clot followed by clot removal, either partially or substantially completely. The clot treatment device is expandable into the blood vessel and may contain radial extensions that assist in restoring flow as well as in removing clot material.

20 Claims, 9 Drawing Sheets

