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Scheldrup et al.

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[54] **ENDOVASCULAR EMBOLIC DEVICE DETACHMENT DETECTION METHOD**

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[51] **Int. Cl.**[6] **A61B 17/38**

[52] **U.S. Cl.** **606/32**; 128/630; 606/41; 606/191

[58] **Field of Search** 204/114, 129.35, 204/111, 153.1; 205/103; 320/43; 604/286; 606/32, 191, 200

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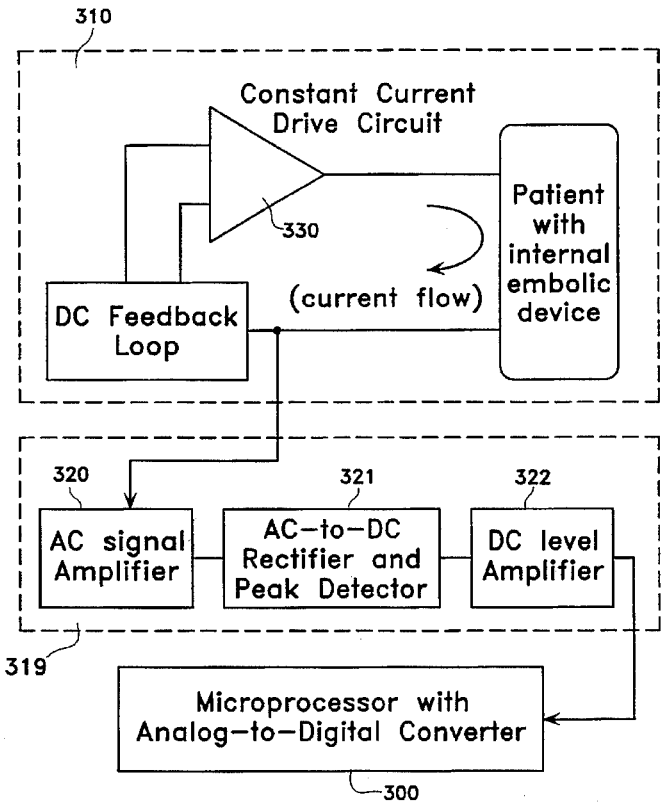
[57] **ABSTRACT**

This invention is a method for ensuring for endovascular occlusion through the formation of thrombi in arteries, veins, aneurysms, vascular malformations, and arteriovenous fistulas. In particular, it deals with a method to predictably determine the instant of electrolytic detachment of an embolic device which is introduced to and is intended to remain at the desired thrombus formation site. The invention further includes a method for delivering an embolic device and detecting its electrolytic separation.

21 Claims, 12 Drawing Sheets