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# United States Patent [19]

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[54] **MULTI-ANCHOR STENT**

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[22] Filed: **Jul. 24, 1997**

### Related U.S. Application Data

[63] Continuation of Ser. No. 757,486, Nov. 27, 1996, abandoned, which is a continuation of Ser. No. 404,488, Mar. 17, 1995, abandoned.

[51] Int. Cl.<sup>6</sup> ..... **A61F 2/06**

[52] U.S. Cl. .... **623/1; 623/12; 606/198; 606/194; 606/191**

[58] Field of Search ..... **623/1, 11, 12; 606/108, 191, 194, 195, 198; 138/108, 112; 411/61, 71, 74**

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### [57] ABSTRACT

The intravascular multi-anchor stent includes a plurality of cylindrical elements that are independently expandable in the radial direction and that are interconnected so as to be generally aligned on a common longitudinal axis, and a plurality of barbs along the entire circumference of the stent that face outwardly when the stent is in an expanded condition. A plurality of connecting elements are provided for interconnecting only the cylindrical elements that are adjacent to each other so that the stent, when expanded in the radial direction, retains its overall length without appreciable shortening.

**10 Claims, 8 Drawing Sheets**

