US005624685A

United States Patent [19]

Takahashi et al.

[11] Patent Number: 5,624,685

[45] Date of Patent: Apr. 29, 1997

[54] **HIGH POLYMER GEL AND VASCULAR LESION EMBOLIZING MATERIAL COMPRISING THE SAME**

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[21] Appl. No.: **416,530**

[22] Filed: **Apr. 3, 1995**

Related U.S. Application Data

[63] Continuation of Ser. No. 961,519, Oct. 15, 1992, abandoned.

[30] **Foreign Application Priority Data**

Oct. 16, 1991 [JP] Japan 3-267540

[51] **Int. Cl.**[6] **A61K 47/36**; A61K 47/32; A61M 25/04

[52] **U.S. Cl.** **424/488**; 424/487; 424/484; 252/315.3; 252/315.4; 514/944

[58] **Field of Search** 424/484, 488, 424/9.4, 9.5, 485, 451, 455; 252/315.3, 315.4; 524/916; 514/944

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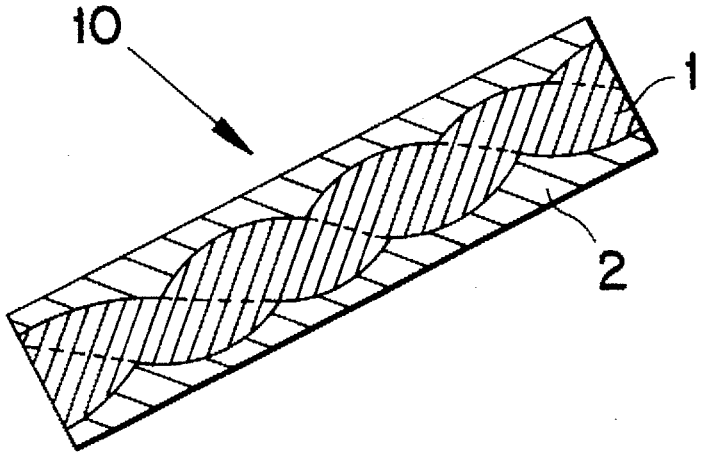
[57] **ABSTRACT**

The improved vascular lesion embolizing material comprises a high-polymer gel capable of absorbing water in an amount of 10 ml/g and more. The high-polymer gel is preferably such as is produced by first permitting a solution containing a water-soluble high polymer to be precipitated in a solution containing polyvalent cation, said high polymer having a plurality of monovalent anionic functional groups, and then immersing the resulting precipitate in a salt solution. The material will swell upon contact with blood and is capable of embolizing a focal lesion in a blood vessel without causing any adverse effects on the living body. The swell time can be shortened if the embolizing material is made of a high-polymer gel that has been treated with a salt solution after precipitation.

10 Claims, 3 Drawing Sheets