US005165938A

United States Patent [19]

Knighton

[11] **Patent Number: 5,165,938**

[45] **Date of Patent: Nov. 24, 1992**

[54] **WOUND HEALING AGENTS DERIVED FROM PLATELETS**

[75] Inventor: **David R. Knighton**, Hudson, Wis.

[73] Assignees: **Regents of the University of Minnesota**, Minneapolis, Minn.; **Curative Technologies, Inc.**, Setauket, N.Y.

[21] Appl. No.: **526,542**

[22] Filed: **May 18, 1990**

Related U.S. Application Data

[63] Continuation of Ser. No. 39,776, Apr. 15, 1987, abandoned, which is a continuation of Ser. No. 786,206, Oct. 10, 1985, abandoned, which is a continuation-in-part of Ser. No. 676,471, Nov. 29, 1984, abandoned.

[51] **Int. Cl.**[5] **A61K 35/14**

[52] **U.S. Cl.** **424/532**; 514/2

[58] **Field of Search** 424/532

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Primary Examiner—Sam Rosen

Attorney, Agent, or Firm—Dorsey & Whitney

[57] **ABSTRACT**

Platelet enriched plasma is produced from blood. The platelets are activated by thrombin which causes the release of platelet derived growth and angiogenesis factors. A carrier such as a microcrystalline collagen is added to produce a wound treating salve. The compound is applied directly to wounds and initiates healing in non-healing wounds as well as accelerating normal wound healing by increasing vascularization, stimulating fibroblast mitosis and migration and increasing collagen synthesis by fibroblasts. The process of treatment involves the use of a composition containing the materials released by platelets during the platelet release reaction.

12 Claims, No Drawings