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[54] **CROSSLINKABLE COLLAGEN DERIVATIVES, PROCESS FOR THEIR PRODUCTION AND THEIR APPLICATION TO THE PREPARATION OF BIOMATERIALS**

[75] Inventor: **Christian Gagnieu, Chassieu, France**

[73] Assignee: **Flamel Technologies, Venissieux Cedex, France**

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[30] **Foreign Application Priority Data**
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[51] **Int. Cl.⁶** **A61K 37/12; A61K 9/70; C07K 13/00; A61L 15/32**

[52] **U.S. Cl.** **530/356; 106/124; 106/125; 602/42; 602/43; 602/48; 602/50; 424/443; 424/444; 424/445; 424/484**

[58] **Field of Search** **530/356; 106/124, 125; 602/42, 43, 48, 50; 424/443, 444, 445, 484**

[56] **References Cited**

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Primary Examiner—Michael G. Wityshyn

Assistant Examiner—Nancy J. Gromet

Attorney, Agent, or Firm—Bacon & Thomas

[57] **ABSTRACT**

The present invention relates to a crosslinkable modified collagen which is soluble in water and/or in aprotic polar organic solvents and which contains free or substituted thiol groups carried by residues of cysteine or derivatives thereof, at least some of the residues being fixed to the collagen via spacer compounds. It further relates to processes for the production of the collagen. Applications are adhesives, biomaterials for prostheses, implants, or other medical articles.

16 Claims, No Drawings