



US009408875B2

(12) **United States Patent**
Masinaei et al.

(10) **Patent No.:** **US 9,408,875 B2**
(45) **Date of Patent:** ***Aug. 9, 2016**

(54) **COMPOSITIONS FOR REPAIR OF DEFECTS IN TISSUES, AND METHODS OF MAKING THE SAME**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
This patent is subject to a terminal disclaimer.

(21) Appl. No.: **14/658,368**

(22) Filed: **Mar. 16, 2015**

(65) **Prior Publication Data**
US 2015/0182559 A1 Jul. 2, 2015

Related U.S. Application Data

(63) Continuation of application No. 12/732,974, filed on Mar. 26, 2010, now Pat. No. 9,005,646, which is a continuation-in-part of application No. 12/188,127, filed on Aug. 7, 2008, now Pat. No. 9,132,208, and a continuation-in-part of application No. 12/394,629, filed on Feb. 27, 2009, now Pat. No. 8,309,106, which is a continuation of application No. 11/247,230, filed on Oct. 12, 2005, now Pat. No. 7,498,041.

(51) **Int. Cl.**
A61K 9/00 (2006.01)
A61L 27/36 (2006.01)
A61K 35/35 (2015.01)
A61L 27/56 (2006.01)
A61K 35/32 (2015.01)
A61K 47/22 (2006.01)
A61L 27/28 (2006.01)
A61F 2/28 (2006.01)
A61F 2/30 (2006.01)

(52) **U.S. Cl.**
CPC **A61K 35/35** (2013.01); **A61K 35/32** (2013.01); **A61K 47/22** (2013.01); **A61L 27/28** (2013.01); **A61L 27/3604** (2013.01); **A61L 27/3608** (2013.01); **A61L 27/56** (2013.01); **A61F 2/28** (2013.01); **A61F 2/30756** (2013.01); **A61F 2310/00359** (2013.01); **A61L 2300/30** (2013.01); **A61L 2300/606** (2013.01); **A61L 2430/02** (2013.01)

(58) **Field of Classification Search**
CPC **A61K 35/00**; **A61K 35/32**; **A61K 35/36**; **A61K 9/00**; **A61L 27/3603**; **A61L 27/3604**
See application file for complete search history.

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(57) **ABSTRACT**

Tissue repair compositions, particularly bone repair compositions, containing (a) bone fragments and (b) homogenized connective tissue, and methods for making the same are provided. Some of the inventive tissue repair compositions contain a radioprotectant. The compositions can be used in the form of an injectable gel, an injectable paste, a paste, a putty, or a rehydratable freeze-dried form. Kits for using such tissue repair compositions are also provided.

16 Claims, No Drawings