



US009375699B2

(12) **United States Patent**
Ladet

(10) **Patent No.:** **US 9,375,699 B2**
(45) **Date of Patent:** **Jun. 28, 2016**

(54) **APPARATUS AND METHOD OF REACTING POLYMERS BY EXPOSURE TO UV RADIATION TO PRODUCE INJECTABLE MEDICAL DEVICES**

(58) **Field of Classification Search**
CPC A61B 2017/00495; A61B 17/00491; B01J 19/123; B01J 2219/0088
See application file for complete search history.

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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 1056 days.

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(21) Appl. No.: **13/202,345**

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(22) PCT Filed: **Feb. 22, 2010**

(86) PCT No.: **PCT/IB2010/000639**

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(65) **Prior Publication Data**

US 2012/0041095 A1 Feb. 16, 2012

Related U.S. Application Data

Primary Examiner — Sanza McClendon

(60) Provisional application No. 61/154,371, filed on Feb. 21, 2009.

(57) **ABSTRACT**

(51) **Int. Cl.**
A61B 17/00 (2006.01)
B01J 19/12 (2006.01)

Cross-linked compositions include a first precursor functionalized with a first reactive member and a second precursor functionalized with a second reactive member, the first and second reactive members covalently bonding with each other when exposed to UV radiation. The compositions are useful in a variety of surgical and wound treatment applications.

(52) **U.S. Cl.**
CPC **B01J 19/123** (2013.01); **A61B 17/00491** (2013.01); **A61B 2017/00495** (2013.01); **B01J 2219/0888** (2013.01)

14 Claims, 2 Drawing Sheets

