US008900294B2

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

(10) **Patent No.: US 8,900,294 B2**
(45) **Date of Patent: Dec. 2, 2014**

(54) **METHOD OF CONTROLLED RELEASE OF A PERCUTANEOUS REPLACEMENT HEART VALVE**

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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.

(21) Appl. No.: **14/253,656**

(22) Filed: **Apr. 15, 2014**

(65) **Prior Publication Data**

US 2014/0243955 A1 Aug. 28, 2014

Related U.S. Application Data

(63) Continuation of application No. 13/675,665, filed on Nov. 13, 2012, which is a continuation of application No. 10/887,688, filed on Jul. 10, 2004, now Pat. No. 8,308,797, which is a continuation-in-part of application No. 10/037,266, filed on Jan. 4, 2002, now abandoned.

(51) **Int. Cl.**

A61F 2/24	(2006.01)
A61B 8/12	(2006.01)
A61F 2/95	(2013.01)

(52) **U.S. Cl.**

CPC ***A61F 2/2427*** (2013.01); ***A61F 2/2412*** (2013.01); ***A61F 2/2415*** (2013.01); ***A61F 2/2418*** (2013.01); ***A61F 2/2436*** (2013.01); ***A61F 2/24*** (2013.01); ***A61F 2/2475*** (2013.01); ***A61B 8/12*** (2013.01); ***A61F 2/2433*** (2013.01); *A61F 2002/9534* (2013.01); *A61F 2/2439* (2013.01); *Y10S 623/917* (2013.01); *A61F 2250/0039* (2013.01)

USPC **623/2.11**; 623/2.14; 623/917

(58) **Field of Classification Search**

CPC A61F 2/2436; A61F 2002/9534; A61F 2/2439; A61F 2/2433; A61F 2/2427

USPC 623/1.24, 1.26, 900

See application file for complete search history.

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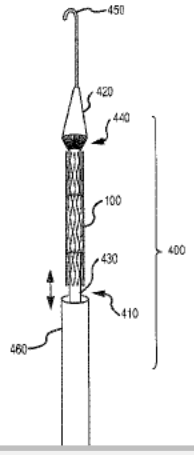
(57) **ABSTRACT**

A method of making a replacement heart valve device whereby a fragment of biocompatible tissue material is treated and soaked in one or more alcohol solutions and a solution of glutaraldehyde. The dried biocompatible tissue material is folded and rehydrated in such a way that forms a two- or three-leaflet/cusp valve without affixing of separate cusps or leaflets or cutting slits into the biocompatible tissue material to form the cusps or leaflets. After the biocompatible tissue material is folded, it is affixed at one or more points on the outer surface to the inner cavity or a stent.

4 Claims, 12 Drawing Sheets



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