



US009408733B2

(12) **United States Patent**
Amos

(10) **Patent No.:** **US 9,408,733 B2**
(45) **Date of Patent:** **Aug. 9, 2016**

(54) **ROTATABLE CONNECTION BETWEEN A TUBULAR MEMBER AND AN ELONGATE WIRE OF A CATHETER**

USPC 604/8; 606/108; 623/1.11
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 599 days.

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(21) Appl. No.: **12/971,078**

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(22) Filed: **Dec. 17, 2010**

(65) **Prior Publication Data**

US 2011/0160739 A1 Jun. 30, 2011

Related U.S. Application Data

(60) Provisional application No. 61/291,342, filed on Dec. 30, 2009.

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(51) **Int. Cl.**

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- A61F 11/00* (2006.01)
- A61F 2/95* (2013.01)
- A61M 25/06* (2006.01)
- A61M 27/00* (2006.01)
- A61M 25/00* (2006.01)
- A61M 25/01* (2006.01)

(Continued)

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

CPC *A61F 2/95* (2013.01); *A61M 25/0662* (2013.01); *A61F 2002/9511* (2013.01); *A61M 27/008* (2013.01); *A61M 2025/0004* (2013.01); *A61M 2025/0046* (2013.01); *A61M 2025/0062* (2013.01); *A61M 2025/0175* (2013.01); *A61M 2025/0183* (2013.01); *A61M 2025/0681* (2013.01)

(57) **ABSTRACT**

A rotatable connection between a tubular member and an elongate wire of a catheter for allowing rotational movement of the tubular member relative to the elongate wire. The rotatable connection includes a first tube secured to the tubular member and a second tube secured to the elongate wire. The second tube is disposed around the first tube and rotatable relative to the first tube. The longitudinal axis of the tubular member is offset from the longitudinal axis of the elongate wire to allow a guidewire to extend through the tubular member and along the side of the elongate wire.

(58) **Field of Classification Search**

CPC *A61F 2/95*; *A61F 2002/9511*; *A61M 25/0662*; *A61M 2025/0046*; *A61M 2025/0183*; *A61M 27/008*; *A61M 2025/0681*; *A61M 2025/0004*; *A61M 2025/0175*; *A61M 2025/0062*

17 Claims, 6 Drawing Sheets

