



US009510843B2

(12) **United States Patent
Landes**

(10) **Patent No.:** **US 9,510,843 B2**

(45) **Date of Patent:** ***Dec. 6, 2016**

(54) **DISCECTOMY INSTRUMENT**

(71) Applicant: **GLOBUS MEDICAL, INC.**, Audubon, PA (US)

(72) Inventor: **Glen Brian Landes**, Quakertown, PA (US)

(73) Assignee: **Globus Medical, Inc.**, Audubon, PA (US)

(*) 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.: **14/881,331**

(22) Filed: **Oct. 13, 2015**

(65) **Prior Publication Data**

US 2016/0030059 A1 Feb. 4, 2016

Related U.S. Application Data

(63) Continuation of application No. 14/542,691, filed on Nov. 17, 2014, now Pat. No. 9,186,159, which is a continuation of application No. 13/763,082, filed on Feb. 8, 2013, now Pat. No. 8,915,936, which is a continuation of application No. 12/710,796, filed on Feb. 23, 2010, now Pat. No. 8,394,101.

(60) Provisional application No. 61/154,610, filed on Feb. 23, 2009.

(51) **Int. Cl.**
A61B 17/16 (2006.01)
A61B 17/32 (2006.01)
A61B 17/3205 (2006.01)
A61B 17/00 (2006.01)

(52) **U.S. Cl.**
CPC *A61B 17/1671* (2013.01); *A61B 17/1617* (2013.01); *A61B 17/1633* (2013.01); *A61B 17/1659* (2013.01); *A61B 17/32* (2013.01); *A61B 17/3205* (2013.01); *A61B 2017/00261* (2013.01); *A61B 2017/320008* (2013.01)

(58) **Field of Classification Search**
CPC *A61B 2017/00261*; *A61B 17/1617*; *A61B 17/1633*; *A61B 17/1659*; *A61B 17/1671*; *A61B 17/32*; *A61B 2017/320008*

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

8,394,101 B2* 3/2013 Landes *A61B 17/1617*
606/170
9,186,159 B2* 11/2015 Landes *A61B 17/1617*

* cited by examiner

Primary Examiner — Larry E Waggle, Jr.

(57) **ABSTRACT**

A discectomy instrument capable of removing portions of the spinal disc between adjacent vertebrae in a controlled manner that is efficient and easy to use. The discectomy instrument may include a handle, a rotary scraper, a barrel, a drive shaft, an outer sleeve and a retaining clip.

18 Claims, 2 Drawing Sheets

