



US009408691B2

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

(10) **Patent No.:** **US 9,408,691 B2**
(45) **Date of Patent:** **Aug. 9, 2016**

(54) **LOCATOR DEVICE FOR MEDICAL PROCEDURES ON THE BODY SURFACE AND METHOD OF ITS USE**

(56) **References Cited**

U.S. PATENT DOCUMENTS

(71) Applicant: **Restoration Robotics, Inc.**, San Jose, CA (US)

1,550,403	A	8/1925	Turkus
4,370,979	A	2/1983	Erickson
4,434,791	A	3/1984	Darnell
4,621,619	A	11/1986	Sharpe
4,896,680	A	1/1990	Hirshowitz
5,089,009	A	2/1992	Green
5,380,336	A	1/1995	Misko et al.

(Continued)

(72) Inventors: **Zander H. Oostman**, Hansville, WA (US); **Clifford A. Oostman, Jr.**, Hansville, WA (US)

(73) Assignee: **Restoration Robotics, Inc.**, San Jose, CA (US)

FOREIGN PATENT DOCUMENTS

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 390 days.

DE	4444130	6/1995
WO	WO 01/03588	1/2001

(Continued)

OTHER PUBLICATIONS

(21) Appl. No.: **13/831,145**

PCT Search and Written Opinion on connection with commonly assigned International Application No. PCT/US14/17514, Applicant Restoration Robotics, Inc., Feb. 19, 2015, (12 pages).

(22) Filed: **Mar. 14, 2013**

(Continued)

(65) **Prior Publication Data**

US 2014/0276959 A1 Sep. 18, 2014

Primary Examiner — Jonathan Miles

Assistant Examiner — George J Ulsh

(51) **Int. Cl.**
A61F 2/10 (2006.01)
A61B 17/00 (2006.01)

(74) *Attorney, Agent, or Firm* — Lena I Vinitzkaya; Sharon Upham

(52) **U.S. Cl.**
CPC **A61F 2/10** (2013.01); **A61B 2017/00752** (2013.01); **A61B 2090/363** (2016.02); **A61B 2090/3983** (2016.02); **A61B 2090/3991** (2016.02)

(57) **ABSTRACT**

Devices and methods are described for performing a procedure on multiple adjacent segments of a body surface. The methods generally involve positioning a locator device on a body surface to delineate a first body surface segment. A first portion of the locator device may be moved while leaving a second portion of the locator device in place as a reference. The second portion of the locator may then be moved to reform the locator device and delineate a second segment of the body surface. Locator devices comprising two detachable portions are also described.

(58) **Field of Classification Search**
CPC A61B 5/103; A61B 19/5225; A61B 17/32053; A61B 17/3468; A61B 19/00; A61F 2/10
USPC 606/169, 130, 133, 184, 185, 187, 216, 606/218, 213, 116; 600/407
See application file for complete search history.

33 Claims, 9 Drawing Sheets

