505701537 10/01/2019

PATENT ASSIGNMENT COVER SHEET

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 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT E NEAL II	10/20/2010
PAULO A GARCIA	10/20/2010
RAFAEL V DAVALOS	10/20/2010
JOHN H ROSSMEISL	10/20/2010
JOHN L ROBERTSON	10/25/2010

RECEIVING PARTY DATA

Name:	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
Street Address:	301 BURRUSS HALL
City:	BLACKSBURG
State/Country:	VIRGINIA
Postal Code:	24061

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16535451

CORRESPONDENCE DATA

Fax Number: (540)605-8071

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: michele.mayberry@nrviplaw.com
Correspondent Name: NEW RIVER VALLEY IP LAW, PC

Address Line 1: 1750 KRAFT DR.
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Address Line 4: BLACKSBURG, VIRGINIA 24060

ATTORNEY DOCKET NUMBER: VTIP-35-09140-DIV2

NAME OF SUBMITTER: ASHLEY M. GATES

SIGNATURE: /Ashley M. Gates/

DATE SIGNED: 10/01/2019

Total Attachments: 5

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VTIP 09-140

Serial Number: 12/906,923

Serial Number: PCT/US2010/053077

ASSIGNMENT

WHEREAS, I/we, the below-named inventor(s) (hereinafter referred to as ASSIGNORS) whose residence address is stated below, have invented certain new and useful improvements in an invention entitled:

Treatment Planning for Electroporation-Based Therapies

for which an application for United States Letters Patent Serial No. 12/906,923 has been filed on October 18, 2010 , and an application for PCT International Serial No. PCT/US2010/053077 has been filed on October 18, 2010 ; and

WHEREAS, Virginia Polytechnic Institute and State University, (hereinafter referred to as ASSIGNEE), an institute of higher education organized under the laws of the Commonwealth of Virginia, having an office and principal place of business at 301 Burruss Hall, Blacksburg, Virginia, 24061, is desirous of acquiring the entire right, title and interest in, to and under said application and said invention and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries.

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer to ASSIGNEE, its lawful successors and assigns, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries and any non-provisional applications claiming the benefit of said application to be obtained for said invention by said application or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted; and authorize and request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue, enforce and defend said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

Serial Number: PCT/US2010/053077
Full name of inventor: Robert E. Neal, II Residence: 3401 Swanhollow Circle, Richmond, Virginia 23233 Signature: Date: 10/30/10
County of Montgomeny State of Yunginia The foregoing instrument was acknowledged before me this 30th day of Actober, 2010 by Robert E. Neal, IL
NAOMI LEWIS Notary Public Commonwealth of Virginia 7124649 My Commission Expires Jul 31, 2011 Notary Public Notary Registration Number: 7124549 My Commission Expires: 7124549 My Commission Expires: 7124549
Full name of inventor: Paulo A. Garcia
Residence: 475 Silver Leaf Drive, Christiansburg, Virginia 24073 Signature: Date: 10 26 2010
County of <u>Montgomery</u> State of <u>Wiginia</u> The foregoing instrument was acknowledged before me this 20th day of October, 2010 by <u>Faulo A. Carcia</u> .
NAOMI LEWIS Notony Public
Notary Public Commonwealth of Virginia Notary Registration Number: 7126549

Notary Registration Number: 7/26549
My Commission Expires: 54931, 20

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Serial Number: 12/906,923

7126549 My Commission Expires Jul 31, 2011

Full name of inventor: Rafael V. Davalos Residence: 1205 Redbud Road, Blacksburg, Virginia 24060
Signature: Date:
County of <u>April Gomery</u> State of <u>Curginia</u> The foregoing instrument was acknowledged before me this <u>JOH</u> day of <u>October</u> , 2010 by <u>Rafael V. Dayalos</u> Notary Public
Notary Public Commonwealth of Virginia 7126549 My Commission Expires: 7126549 My Commission Expires: 7126549 My Commission Expires: 7126549
Full name of inventor: John H. Rossmeisl Residence: 217 Craig Drive, Blacksburg, Virginia 24060
Signature: Date:
County of State of
The foregoing instrument was acknowledged before me this day of, 2010 by
Notary Public Notary Registration Number: My Commission Expires:

VTIP 09-140

Serial Number: 12/906,923

Serial Number: PCT/US2010/053077

Serial Number: PCT/US2010/053077 Full name of inventor: Rafael V. Davalos Residence: 1205 Redbud Road, Blacksburg, Virginia 24060 Signature: Date: County of ______State of _____ The foregoing instrument was acknowledged before me this ______ day of _______, 2010 by _____. Notary Public Notary Registration Number: My Commission Expires: Full name of inventor: John H. Rossmeisl Residence: 217 Craig Drive, Blacksburg, Virginia 24060 _____ Date: _ (8/23/(3 Signature: MM Reserved The foregoing instrument was acknowledged before me this 20 th day of Otalier, 2010 by John 16. K (000) must . Notary Public
Notary Registration Number: 155822

My Commission Expires: 9130115 JILL W. KORMENDY Notary Public Commonwealth of Virginia

155822 My Commission Expires Sep 30, 2008

VTIP 09-140

Serial Number: 12/906,923

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Serial Number: 12/906,923

Serial Number: PCT/US2010/053077

Full name of inventor: John L. Robertson

Residence: 1574 Ridgeview Road, Floyd, Virginia 24091

Signature: Date: 10/25-/10

County of Montgamery

The foregoing instrument was acknowledged before me this <u>35</u> day of <u>October</u>, 2010 by Strate + 5 terte John L. Robertson

Notary Public

Notary Registration Number: 7362224

My Commission Expires: 212812014

Shella K. Steele NOTARY PUBLIC Commonwealth of Virginia Reg. #7362226 My Commission Expires February 28, 2014

> PATENT REEL: 050588 FRAME: 0133

RECORDED: 10/01/2019