

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Rafael V. Davalos	11/24/2009
Christopher B. Arena	11/10/2009
Marissa Nicole Rylander	04/23/2010
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: 2	
Property Type	Number
Application Number:	12609779
PCT Number:	US0962806
CORRESPONDENCE DATA	
Fax Number:	(540)951-5292
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(540) 951-9374
Email:	vtippatents@vtip.org
Correspondent Name:	Virginia Tech Intellectual Properties
Address Line 1:	2200 Kraft Drive, Suite 1050
Address Line 4:	Blacksburg, VIRGINIA 24060
ATTORNEY DOCKET NUMBER:	VTIP 09-063
NAME OF SUBMITTER:	Mark S. Coburn

OP \$80.00 12609779

Total Attachments: 4
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**PATENT
 REEL: 024660 FRAME: 0303**

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VTIP 09-063

Serial Number: 12/609,779

Serial Number: PCT/US2009/062806

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:

Irreversible Electroporation Using Nanoparticles

for which an application for United States Letters Patent Serial No. 12/609,779 has been filed on October 30, 2009, and an application for PCT International Serial No. PCT/US2009/062806 has been filed on October 30, 2009; 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.

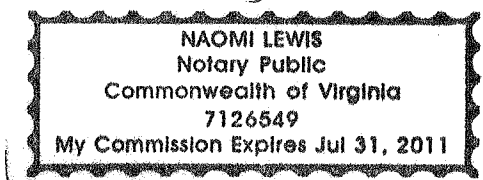
VTIP 09-063
Serial Number: 12/609,779
Serial Number: PCT/US2009/062806

Full name of inventor: Rafael V. Davalos
Residence: 1205 Redbud Road, Blacksburg, Virginia 24060

Signature: *Rafael V. Davalos* Date: 11/24/09

County of Montgomery
State of Virginia

The foregoing instrument was acknowledged before me this 24th day of November, 2009
by Rafael V. Davalos.



Naomi Lewis
Notary Public
Notary Registration Number: 7126549
My Commission Expires: July 31, 2011

Full name of inventor: Marissa Nichole Rylander
Residence: 1936 Sycamore Trail, Blacksburg, Virginia 24060

Signature: _____ Date: _____

County of _____
State of _____

The foregoing instrument was acknowledged before me this _____ day of _____, 2009
by _____.

Notary Public
Notary Registration Number: _____
My Commission Expires: _____

VTIP 09-063
Serial Number: 12/609,779
Serial Number: PCT/US2009/062806

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 _____, 2009
by _____.

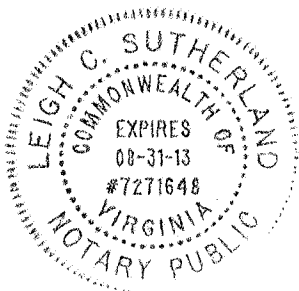
Notary Public
Notary Registration Number: _____
My Commission Expires: _____

Full name of inventor: Marissa Nichole Rylander
Residence: 1936 Sycamore Trail, Blacksburg, Virginia 24060

Signature: Marissa Nichole Rylander Date: 4/23/2010

County of Montgomery
State of Virginia

The foregoing instrument was acknowledged before me this 23rd day of April, 2010
by Marissa N. Rylander.



Leigh C Sutherland

Notary Public
Notary Registration Number: 7271648
My Commission Expires: 8/31/13

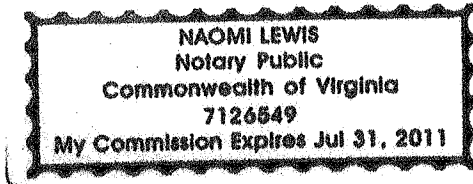
VTIP 09-063
Serial Number: 12/609,779
Serial Number: PCT/US2009/062806

Full name of inventor: Christopher B. Arena
Residence: 3898 Channel Pointe Lane, Denver, North Carolina 28037

Signature: Christopher Arena Date: 11/10/09

County of Montgomery
State of Virginia

The foregoing instrument was acknowledged before me this 10th day of November, 2009
by Christopher B. Arena.



Naomi Lewis
Notary Public
Notary Registration Number: 7126549
My Commission Expires: July 31, 2011