

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ruxi Wang	08/20/2009
Fred Wang	09/11/2009
Dushan Boroyevich	08/20/2009
Rolondo Burgos	08/26/2009

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:	12511859

CORRESPONDENCE DATA

Fax Number: (540)951-5292

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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 10-003

NAME OF SUBMITTER:

Mark S. Coburn

Total Attachments: 5

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PATENT
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VTIP 10-003

Serial Number: 12/511,859

Serial Number: PCT/US2009/052153

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:

Electrical Power System With High-Density Pulse Width Modulated (PWM) Rectifier

for which an application for United States Letters Patent Serial No. 12/511,859 has been filed on July 29, 2009 and an application for PCT International Serial No. PCT/US2009/052153 has been filed on July 29, 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.

PATENT

REEL: 023485 FRAME: 0414

VTIP 10-003

Serial Number: 12/511,859

Serial Number: PCT/US2009/052153

Full name of inventor: Ruxi Wang

Residence: 1201 Snyder Lane, Apt. 900D, Blacksburg, Virginia 24060

Signature: Ruxi Wang Date: Aug 20th. 2009

County of MONTGOMERY
State of VIRGINIA

The foregoing instrument was acknowledged before me this 20th day of AUGUST, 2009
by RUXI WANG.

Linda A. Galloppe
Notary Public
Notary Registration Number: 7063175
My Commission Expires: 9/30/2010

Full name of inventor: Fred Wang

Residence: 302 Seminole Drive, 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 10-003
Serial Number: 12/511,859
Serial Number: PCT/US2009/052153

Full name of inventor: Ruxi Wang
Residence: 1201 Snyder Lane, Apt. 900D, 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: _____

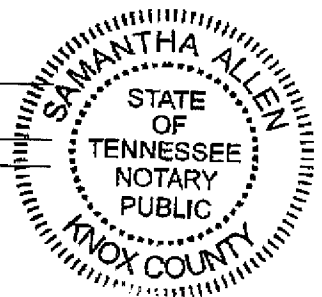
Full name of inventor: Fred Wang
Residence: 410 Ferris Hall, Knoxville, Tennessee 37996-2100

Signature: _____ Date: 9/11/2009

County of KNOX
State of TN

The foregoing instrument was acknowledged before me this 11 day of September, 2009
by Samantha Allen = Fred Wang

Samantha Allen
Notary Public
Notary Registration Number: _____
My Commission Expires: 06-06-2011



VTIP 10-003

Serial Number: 12/511,859

Serial Number: PCT/US2009/052153

Full name of inventor: Dushan Boroyevich

Residence: 423 Seminole Drive, Blacksburg, Virginia 24060

Signature: Boroyevich Date: Aug. 20, 2009

County of MONTGOMERY
State of VIRGINIA

The foregoing instrument was acknowledged before me this 20th day of AUGUST, 2009
by DUSHAN BOROYEVICH.

Linda Saccorphen

Notary Public

Notary Registration Number: 7063175

My Commission Expires: 9/30/2010

Full name of inventor: Rolando Burgos

Residence: 8237 Hydor Dawn Lane, Cary, North Carolina 27518

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 10-003

Serial Number: 12/511,859

Serial Number: PCT/US2009/052153

Full name of inventor: Dushan Boroyevich

Residence: 423 Seminole Drive, 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: _____

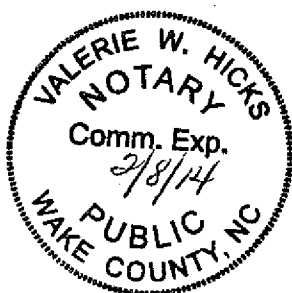
Full name of inventor: Rolando Burgos

Residence: 8237 Hydron Dawn Lane, Cary, North Carolina 27518

Signature: *Rolando Burgos* Date: 8/26/09

County of Wake
State of North Carolina

The foregoing instrument was acknowledged before me this 26th day of August, 2009
by Rolando Burgos.



Valerie W. Hicks
Notary Public
Notary Registration Number: 20033370062
My Commission Expires: Feb. 8, 2014