

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Qian Li</td><td>07/20/2011</td></tr><tr><td>Fred C. Lee</td><td>07/20/2011</td></tr><tr><td>Ming Xu</td><td>07/25/2011</td></tr><tr><td>Chuanyun Wang</td><td>07/25/2011</td></tr></tbody></table>	Name	Execution Date	Qian Li	07/20/2011	Fred C. Lee	07/20/2011	Ming Xu	07/25/2011	Chuanyun Wang	07/25/2011	
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Qian Li	07/20/2011										
Fred C. Lee	07/20/2011										
Ming Xu	07/25/2011										
Chuanyun Wang	07/25/2011										
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											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13184788</td></tr></tbody></table>	Property Type	Number	Application Number:	13184788							
Property Type	Number										
Application Number:	13184788										
CORRESPONDENCE DATA											
Fax Number:	(540)951-5292										
Phone:	(540) 951-9374										
Email:	vtippatents@vtip.org										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	Virginia Tech Intellectual Properties										
Address Line 1:	2200 Kraft Drive, Suite 1050										
Address Line 4:	Blacksburg, VIRGINIA 24060										
ATTORNEY DOCKET NUMBER:	VTIP 09-124										
NAME OF SUBMITTER:	Mark S. Coburn										
Total Attachments: 4 source=09-124 Assign Inv to VT#page1.tif source=09-124 Assign Inv to VT#page2.tif source=09-124 Assign Inv to VT#page3.tif source=09-124 Assign Inv to VT#page4.tif											

OP \$40.00 13184788

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PATENT
REEL: 026950 FRAME: 0397

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:

Adaptive On-Time Control for Power Factor Correction Stage Light Load Efficiency

for which an application for United States Letters Patent Serial No. 13/184,788 has been filed on 7/18/2011; 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 09-124

Serial Number: 13/184,788

Full Name of Inventor: Qian Li

Residence: 1212 University City Blvd, Apt I-103, Blacksburg, Virginia 24060

Signature: Qian Li Date: 07/20/2011

County of Montgomery
State of Virginia

The foregoing instrument was acknowledged before me this 20th day of July, 2011
by Qian Li

Brenda Lynn Mabry
Notary Public
Notary Registration Number: 7500436
My Commission Expires: Jan. 31, 2015

Full Name of Inventor: Fred C. Lee

Residence: 2909 Stradford Lane, Blacksburg, Virginia 24060

Signature: _____ Date: _____

County of _____
State of _____

The foregoing instrument was acknowledged before me this _____ day of _____, 2011
by _____

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

VTIP 09-124

Serial Number: 13/184,788

Full Name of Inventor: Qian Li

Residence: 1212 University City Blvd, Apt I-103, Blacksburg, Virginia 24060

Signature: _____ Date: _____

County of _____
State of _____

The foregoing instrument was acknowledged before me this _____ day of _____, 2011
by _____.

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

Full Name of Inventor: Fred C. Lee

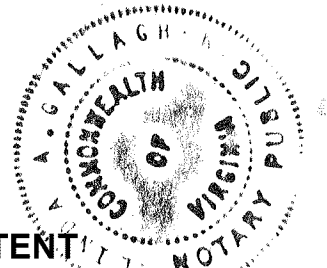
Residence: 2909 Stradford Lane, Blacksburg, Virginia 24060

Signature: Fred Lee Date: 7/20/11

County of MONTGOMERY
State of VIRGINIA

The foregoing instrument was acknowledged before me this 20th day of JULY, 2011
by FRED C. LEE.

Kinda A. Gallogher
Notary Public
Notary Registration Number: 7063175
My Commission Expires: 9/30/2014



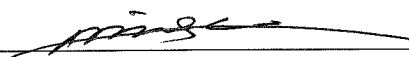
PATENT
REEL: 026950 FRAME: 0400

VTIP 09-124

Serial Number: 13/184,788


Full Name of Inventor: Ming Xu

Residence: 2010 Northside Drive, Blacksburg, Virginia 24060

Signature:  Date: 7/25/2011

Province of Virginia
Country of USA

The foregoing instrument was acknowledged before me this 25 day of July, 2011
by MING XU.


WITNESS SIGNATURE

Name: CHUANYUN WANG
Title: Director of GTC

Full Name of Inventor: Chuanyun Wang

Residence: 9 Jiangjun Avenue, Tolega Mulinju 2-106, Nanjing, Jiangsu, 22153 China

Signature:  Date: 2011-7-25

Province of Jiangsu
Country of China

The foregoing instrument was acknowledged before me this 25 day of July, 2011
by CHUANYUN WANG.


WITNESS SIGNATURE

Name: Ming Xu
Title: CEO of Powerland Technology.