

## PATENT ASSIGNMENT

Electronic Version v1.1

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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>Ming Xu</td><td>04/01/2008</td></tr><tr><td>Julu Sun</td><td>04/01/2008</td></tr><tr><td>Ya Liu</td><td>05/06/2008</td></tr><tr><td>Fred C Lee</td><td>03/27/2008</td></tr></tbody></table>		Name	Execution Date	Ming Xu	04/01/2008	Julu Sun	04/01/2008	Ya Liu	05/06/2008	Fred C Lee	03/27/2008
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Virginia Polytechnic Institute and State University</td></tr><tr><td>Street Address:</td><td>301 Burruss Hall</td></tr><tr><td>City:</td><td>Blacksburg</td></tr><tr><td>State/Country:</td><td>VIRGINIA</td></tr><tr><td>Postal Code:</td><td>24061</td></tr></table>		Name:	Virginia Polytechnic Institute and State University	Street Address:	301 Burruss Hall	City:	Blacksburg	State/Country:	VIRGINIA	Postal Code:	24061
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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>12034229</td></tr></tbody></table>		Property Type	Number	Application Number:	12034229						
Property Type	Number										
Application Number:	12034229										
CORRESPONDENCE DATA											
Fax Number: (703)787-7557 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Total Attachments: 3 source=07.078_Assignment1#page1.tif											

CH 12034229 \$40.00

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PATENT  
REEL: 021140 FRAME: 0673



VTIP 07-078

Serial Number: 12/034,229

### 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:

#### **Quasi-Parallel Voltage Regulator**

for which an application for United States Letters Patent Serial No. 12/034,229 has been filed on February 20, 2008 ; 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: 021140 FRAME: 0675**

VTIP 07-078

Serial Number: 12/034,229

Full name of inventor: Ming Xu

Residence: 2010 Northside Drive, Blacksburg, Virginia 24060

Signature: [Signature] Date: 4/1/08

County of MONTGOMERY  
State of VIRGINIA

The foregoing instrument was acknowledged before me this 1<sup>st</sup> day of April, 2008  
by LINDA A. GALLAGHER

Linda A. Gallagher

Notary Public

Notary Registration Number: 7063175

My Commission Expires: 9/30/2010

Full name of inventor: Julu Sun

Residence: 510 Hunt Club Road, Apt. 505, Blacksburg, Virginia 24060

Signature: [Signature] Date: 4/1/08

County of MONTGOMERY  
State of VIRGINIA

The foregoing instrument was acknowledged before me this 1<sup>st</sup> day of April, 2008  
by LINDA A. GALLAGHER

Linda A. Gallagher

Notary Public

Notary Registration Number: 7063175

My Commission Expires: 9/30/2010

PATENT

REEL: 021140 FRAME: 0676

VTIP 07-078

Serial Number: 12/034,229

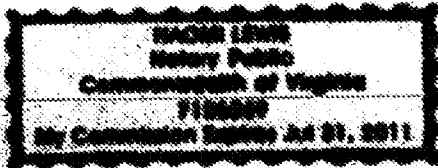
Full name of inventor: Ya Liu

Residence: 1007 University City Boulevard, Apt. S8, Blacksburg, Virginia 24060

Signature: Ya Liu Date: 05/06/2008

County of Montgomery  
State of Georgia

The foregoing instrument was acknowledged before me this 6 day of May, 2008  
by Ya Liu



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

Full name of inventor: Fred C. Lee

Residence: 2909 Stradford Lane, Blacksburg, Virginia 24060

Signature: Fred Lee Date: 3/27/08

County of MONTGOMERY  
State of VIRGINIA

The foregoing instrument was acknowledged before me this 27th day of MARCH, 2008  
by FRED C LEE

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