

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Jih-Sheng Lai	01/10/2006
Amy M. Ridenour	01/10/2006
Changrong Liu	01/10/2006
RECEIVING PARTY DATA	
Name:	Virginia Polytechnic Institute and State University
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11249945
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ATTORNEY DOCKET NUMBER:	MJH-113-3.1
NAME OF SUBMITTER:	Mary-Jacq Holroyd
Total Attachments: 2	
source=MJH-113-3.1 assignment inventor to VT#page1.tif	

OP \$40.00 11249945

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**PATENT**  
**REEL: 017725 FRAME: 0661**



## ASSIGNMENT

**WHEREAS**, Jih-Sheng Lai, Amy Ridenour of Virginia and Changrong Liu of California, (hereinafter referred to as ASSIGNOR), have invented certain new and useful improvements in an invention entitled:

### MULTIPHASE SOFTSWITCHED DC/DC CONVERTER AND ACTIVE CONTROL TECHNIQUE FOR FUEL CELL RIPPLE CURRENT ELIMINATION

for which an application for United States Letters Patent Serial No. 11/249,945 has been filed on 10/13/2005; 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, TO ALL WHOM IT MAY CONCERN:** Be it known that in consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt and sufficiency of which is hereby acknowledged, and for other good and valuable consideration, 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 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 and enforce 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.

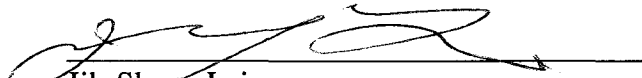
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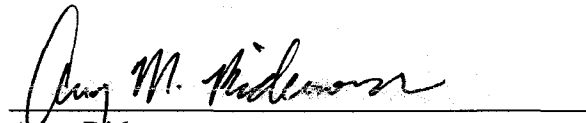
REEL: 017725 FRAME: 0663

IN WITNESS WHEREOF, ASSIGNORS have caused the hand of its proper office to be subscribed hereto this 10 day of January, 2006.


Witnessed by:

  
Jih-Sheng Lai

Witnessed by:

  
Amy Ridenour

Witnessed by:

  
Changrong Liu