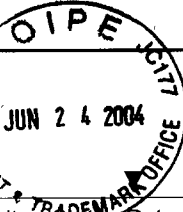


6/24/04

Docket No.: 01640445AA

FORM PTO-1595 (Modified)  
(Rev. 03-01)  
OMB No. 0651-0027 (exp. 5/31/2002)  
P08/REV03



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Virginia Polytechnic Institute &amp; State University

## 2. Name and address of receiving party(ies):

Name: Virginia Tech Intellectual Properties, Inc.

Internal Address:

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Street Address: 1872 Pratt Drive

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## 4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

10/781,921

Filed 02/20/2004

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Marshall M. Curtis

Internal Address:

Street Address: Whitham, Curtis &amp; Christofferson, P.C.

11491 Sunset Hills Road, Suite 340

City: Reston State: VA ZIP: 20190

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41):.....\$ 40.00

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June 24, 2004

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PATENT REEL: 015502 FRAME: 0454

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**ASSIGNMENT**

**WHEREAS**, Virginia Polytechnic Institute and State University, (hereinafter referred to as ASSIGNOR), an institute of higher education organized under the laws of the Commonwealth of Virginia, having an office and principal place of business at Blacksburg, Virginia, is the owner of the entire right, title and interest in and to application for United States Letters Patent, filed on February 20, 2004, in the names of Jia Wei, Ming Xu and Fred C. Lee, for **ADAPTIVE BUS VOLTAGE POSITIONING FOR TWO-STAGE VOLTAGE REGULATORS** and of the invention therein described; and

**WHEREAS**, Virginia Tech Intellectual Properties, Inc. (hereinafter referred to as ASSIGNEE), a non-stock corporation organized under the laws of the Commonwealth of Virginia and having a principal place of business in 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 therefor 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 ASSIGNOR of the sum of One Dollar (\$1.00), the receipt and sufficiency of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers 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.

**ASSIGNOR** hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

**ASSIGNOR** further covenants 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 ASSIGNOR 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.

**IN WITNESS WHEREOF, ASSIGNOR** has caused the hand of its proper officer to be subscribed hereto this 14th day of June, 2004.

Witnessed by:

*Debbie Zellstead*

VIRGINIA POLYTECHNIC INSTITUTE  
AND STATE UNIVERSITY

*Minnis E. Ridenour*

By: Minnis E. Ridenour  
Executive Vice President

**PATENT**

**RECORDED: 06/24/2004**

**REEL: 015502 FRAME: 0455**