# PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Robert Gardner	01/04/2007
Yilu Liu	12/19/2006
Zhian Zhong	01/03/2007

### **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:	12363049

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER: VTIP 05.057 DIV

NAME OF SUBMITTER: Naomi Lewis

Total Attachments: 3

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PATENT REEL: 022400 FRAME: 0181 VTIP 05.057

Serial Number: 11/588,247

#### 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:

Location Determination of Power System Disturbances Based on Frequency Responses of the System

for which an application for United States Letters Patent Serial No. 11/588,247 has been filed on October 27, 2006; 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: 022400 FRAME: 0182

Full name of inventor: Robert Gardner
Residence: 904 Brightyvood Manor Drive, Apr. 9, Blacksburg, VA 24060
Signature: Date: 1/4/07
State of Vincinia
County of Mort gomery
on Jan 4 200% do hereby certify that Robert Gardner
personally appeared and acknowledged the due execution of the foregoing instrument.
$\cap$
Diba J. Turks
Notary Public  My Commission Expires: December 31, 2007
December 31,2007
My Commission Expires:     See See See See See See See See See
Full name of inventor: Yilu Liu
Residence: 302 Seminole Drive, Blacksburg, VA 24060
Signature:
State of Virginia
County of Mondomen
On December 19th, 2006, 2006 I do hereby certify that Yilu Liu
personally appeared and acknowledged the due execution of the foregoing instrument.
1, 10 1 4
Month Snith
Notary Public

My Commission Expires:

VTIP 05.057

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PATENT REEL: 022400 FRAME: 0183

My Commission Expires:

VTIP 05.057

**RECORDED: 03/16/2009** 

Serial Number: 11/588,247

PATENT

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