

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JONGWON SHIN	09/10/2015
KHAI D NGO	09/10/2015
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<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14845081
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<b>ATTORNEY DOCKET NUMBER:</b>	VTIP 16-008_1 US
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<b>SIGNATURE:</b>	/Mark S. Coburn/
<b>DATE SIGNED:</b>	04/11/2016
<b>Total Attachments: 3</b>	
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source=16-008 Assign Inv to VT#page2.tif	
source=16-008 Assign Inv to VT#page3.tif	

## 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:

### **Method and Apparatus for Driving a Power Device**

for which an application for United States Letters Patent Serial No. 14/845,081 has been filed on September 3, 2015; 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, including right to priority claim, 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 and 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

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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.

Full Name of Inventor: Jongwon Shin

Residence: 3042 Signature Blvd, Apt J, Ann Arbor, MI 48103

Signature: Jongwon Shin Date: September 10, 2015

Full Name of Inventor: Khai Doan The Ngo

Residence: 955 Coalwood Way, Blacksburg, VA 24060

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Serial Number: 14/845,081

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.

Full Name of Inventor: Jongwon Shin

Residence: 3042 Signature Blvd, Apt J, Ann Arbor, MI 48103

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Inventor: Khai Doan The Ngo

Residence: 955 Coalwood Way, Blacksburg, VA 24060

Signature: Khai Ngo Date: September 10, 2015