

PATENT ASSIGNMENT

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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>Shane B. McLaughlin</td> <td>06/29/2012</td> </tr> <tr> <td>Jonathan M. Hankey</td> <td>07/03/2012</td> </tr> </tbody> </table>		Name	Execution Date	Shane B. McLaughlin	06/29/2012	Jonathan M. Hankey	07/03/2012
Name	Execution Date						
Shane B. McLaughlin	06/29/2012						
Jonathan M. Hankey	07/03/2012						
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							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12767385</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12767385		
Property Type	Number						
Application Number:	12767385						
CORRESPONDENCE DATA							
Fax Number:	5409515292						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	(540) 951-9374						
Email:	vtippatents@vtip.org						
Correspondent Name:	Virginia Tech Intellectual Properties						
Address Line 1:	2200 Kraft Drive, Suite 1050						
Address Line 4:	Blacksburg, VIRGINIA 24060						
ATTORNEY DOCKET NUMBER:	VTIP 09-158						
NAME OF SUBMITTER:	Mark S. Coburn						
<p>Total Attachments: 3 source=09-158 Assign Inv to VT#page1.tif source=09-158 Assign Inv to VT#page2.tif source=09-158 Assign Inv to VT#page3.tif</p>							

OP \$40.00 12767385

VTIP 09-158
Serial Number: 12/767,385

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:

Impaired Operation Detection Method

for which an application for United States Letters Patent Serial No. 12/767,385 has been filed on 4/26/2010; 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.

VTIP 09-158
Serial Number: 12/767,385

Full Name of Inventor: Shane B. McLaughlin
Residence: 1805 Honeysuckle Drive, Blacksburg, Virginia 24060

Signature: _____ Date: 6/29/12

County of Montgomery
State of Virginia

The foregoing instrument was acknowledged before me this 29 day of June, 2012
by Shane B. McLaughlin.

Kathy Whitlock Oliver
Notary Public
Notary Registration Number: # 296643
My Commission Expires: 10/31/2013

Commonwealth Of Virginia
Kathy Whitlock Oliver - Notary Public
Commission No. 296643
My Commission Expires 10/31/2013

Full Name of Inventor: Jonathan M. Hankey
Residence: 3515 Cameo Lane, Blacksburg, Virginia 24060

Signature: _____ Date: _____

County of _____
State of _____

The foregoing instrument was acknowledged before me this _____ day of _____, 2012
by _____.

Notary Public
Notary Registration Number: _____
My Commission Expires: _____

VTIP 09-158
Serial Number: 12/767,385

Full Name of Inventor: Shane B. McLaughlin
Residence: 1805 Honeysuckle Drive, Blacksburg, Virginia 24060

Signature: _____ Date: _____

County of _____
State of _____

The foregoing instrument was acknowledged before me this _____ day of _____, 2012
by _____.

Notary Public
Notary Registration Number: _____
My Commission Expires: _____

Full Name of Inventor: Jonathan M. Hankey
Residence: 3515 Cameo Lane, Blacksburg, Virginia 24060

Signature: Jonathan M Hankey Date: 7/3/2012

County of Pend Oreille
State of Washington

The foregoing instrument was acknowledged before me this 3rd day of July, 2012
by Jonathan M Hankey.



Michael C. Albright
Notary Public
Notary Registration Number: _____
My Commission Expires: 4-4-15