504786936 02/21/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
UNIVERSITY OF VIRGINIA	02/15/2018

RECEIVING PARTY DATA

Name:	UNIVERSITY OF VIRGINIA PATENT FOUNDATION	
Street Address:	722 PRESTON AVENUE, SUITE 107	
City:	CHARLOTTESVILLE	
State/Country:	VIRGINIA	
Postal Code:	22903	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14660278

CORRESPONDENCE DATA

Fax Number: (434)924-2493

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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UNIVERSITY OF VIRGINIA PATENT FOUNDATION Correspondent Name:

Address Line 1: 722 PRESTON AVENUE, SUITE 107 Address Line 4: CHARLOTTESVILLE, VIRGINIA 22903

ATTORNEY DOCKET NUMBER:	02072-03	
NAME OF SUBMITTER:	ROBERT J DECKER	
SIGNATURE:	/ROBERT J DECKER/	
DATE SIGNED:	02/21/2018	

Total Attachments: 2 source=01205049#page1.tif source=01205049#page2.tif

> **PATENT** REEL: 044989 FRAME: 0692 504786936

ASSIGNMENT

WHEREAS, the University of Virginia, Varsity Hall, 136 Hospital Drive, P. O. Box 400301, Charlottesville, Virginia 22904-4301 (the "Assignor") possesses the right, title and interest for and in an invention entitled

"CYBER-PHYSICAL SYSTEM DEFENSE"

described in U.S. Utility Patent Application Serial No. 14/660,278 filed March 17, 2015, and any subsequent patent applications claiming priority thereto; and

WHEREAS, the University of Virginia Patent Foundation, d/b/a
University of Virginia Licensing & Ventures Group, a non-profit organization having a
place of business at 722 Preston Avenue, Suite 107, Charlottesville, Virginia 22903 (the
"Assignee") is desirous of acquiring the entire right, title and interest in and to the aforesaid
invention, including any tangible materials embodied in or encompassed by the invention and
any trade secrets pertaining to the invention, and any improvements thereon, (the
"Invention") and in and to said applications for Letters Patent thereon in the United States, its
territories and possessions ("United States") and all foreign countries, including rights to
claim priority, to any provisional applications, and in and to any Letters Patent of the United
States or any foreign country which may be granted therefor, including any and all reissues,
divisions, continuations, continuations-in-part, renewals, substitutes, or extensions thereof
(the "Rights");

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and conveyed, and does hereby sell, assign, transfer and convey to Assignee, its successors and assigns, the entire right, title and interest in and to the aforesaid Invention and Rights, except that Assignee hereby grants back to the Assignor a royalty free non-transferable license to make and use the Invention under the Rights for educational and research purposes, only. The aforesaid assignment includes the right in and to all income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignor if this sale and assignment had not been made;

AND Assignor hereby authorizes and requests the appropriate governmental officials to issue any and all such United States or foreign Letters Patent under said invention, or resulting from any of said applications thereof, to the Assignee, as the assignee of the entire right, title and interest in and to the same;

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AND Assignor hereby represents, warrants and covenants that it has the full right to convey the entire interest herein assigned, that it has not executed and will not execute any instrument or assignment in conflict herewith, and that the rights assigned herein are not otherwise encumbered by any grant, license or right;

AND Assignor further covenants and agrees that Assignors will at any time upon request make, execute and deliver without further compensation, any and all other instruments in writing, including further applications, papers, affidavits, power of attorney, assignments, and other documents, and do all lawful acts and things, which, in the opinion of counsel for said Assignee, its successors and assigns, may in any country be required or necessary more effectively to secure to and vest in said Assignee, its successors and assigns the entire right, title and interest in and to said Invention and Rights hereby sold, assigned, transferred and conveyed, and that Assignor will sign any applications for reissue, division, continuation, continuation-in-part, renewal, substitute or extension of said application for Letters Patent or any resulting Letters Patent;

AND Assignor further covenants and agrees that Assignor will at any time upon request communicate to the Assignee, its successors, assigns or other legal representatives any facts relating to the aforesaid invention known to it, and will testify as to the same in any interference, litigation, mediation, arbitration or other proceeding when requested to do so.

IN WITNESS WHEREOF, said Assignor has bereunto set its hand and seal.

Signature of

Representative for Assignor:

David J. Hudson

Representative's Title:

Senior Associate Vice President for Research

Made

University of Virginia

Place of Execution:

Charlottesville, Virginia

CITY OF CHARLOTTESVILLE

COMMONWEALTH OF VIRGINIA)

On this 15th day of Jewicacy, 2011, before me, a Notary Public at large in and for the Commonwealth of Virginia, personally appeared David J. Hudson, to me known and known to be the Senior Associate Vice President for Research of the University of Virginia, who executed the foregoing instrument in my presence, and acknowledged the same to be his and said organization's free act and deed.

> Notary Registration No.: 100647

My commission expires on July 31, 2020

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RECORDED: 02/21/2018