

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HONGWEN ZHANG	01/09/2017
MARK KOOB	01/09/2017
KEVIN CHMILAR	01/09/2017
HUSAM KINAWI	01/09/2017
RECEIVING PARTY DATA	
Name:	WEDGE NETWORKS INC.
Street Address:	#200, 3675 63RD AVENUE NE
City:	CALGARY, ALBERTA T3J 5K1
State/Country:	CANADA
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16329514
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NAME OF SUBMITTER:	WESLEY W. WHITMYER, JR.
SIGNATURE:	/Wesley W. Whitmyer, Jr./
DATE SIGNED:	03/20/2019
Total Attachments: 3	
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PATENT ASSIGNMENT

WHEREAS, we

ZHANG, Hongwen, citizen of Canada, having a business address of c/o Wedge Networks Inc., #200, 3675 63rd Avenue NE, Calgary, Alberta T3J 5K1, Canada;

KOOB, Mark, citizen of Canada, having a business address of c/o Wedge Networks Inc., #200, 3675 63rd Avenue NE, Calgary, Alberta T3J 5K1, Canada;

CHMILAR, Kevin, citizen of Canada, having a business address of c/o Wedge Networks Inc., #200, 3675 63rd Avenue NE, Calgary, Alberta T3J 5K1, Canada; and

KINAWI, Husam, citizen of Canada, having a business address of c/o Wedge Networks Inc., #200, 3675 63rd Avenue NE, Calgary, Alberta T3J 5K1, Canada

have made an invention which is described in United States Provisional Patent Application Number 62/381,930 filed on August 31, 2016 entitled "Apparatus and Methods for Network-Based Line-Rate Detection of Unknown Malware" (hereinafter referred to as the "Invention");

AND WHEREAS, **WEDGE NETWORKS INC.**, an entity having a principal place of business at #200, 3675 63rd Avenue NE, Calgary, Alberta T3J 5K1, Canada, together with its successors and assigns (hereinafter collectively referred to as the "Assignee") is desirous of acquiring the right, title and interest in and to the Invention;

NOW THEREFORE for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged:

1. We hereby assign, sell, transfer and convey to the Assignee all of our right, title and interest in and to the Invention including, without limitation, all rights, title and interest in and to any national (Canada, the United States of America and all countries foreign thereto), regional, international and national phase applications (Canada, the United States of America and all countries foreign thereto) for the Invention and any divisions, extensions, renewals, re-examinations, continuations, continuations-in-part and any Letters Patent that issue therefrom;

2. We hereby authorize the Assignee to apply for Letters Patents for the Invention in any country in our names or in the name of the Assignee as the Assignee deems advisable;

3. We hereby authorize and request the Commissioner of Patents, or any other relevant official whose duty it is to issue Letters Patent, to issue any and all Letters Patent for the Invention to the Assignee; and


4. We hereby agree to execute all documents and to do all things that may reasonably be necessary or required of us to allow the Assignee to obtain registration as the owner of patent rights in the Invention in any country, testify in any legal proceedings, make all rightful oaths and generally do everything possible to assist the Assignee as and when requested by it in obtaining and enforcing proper patent protection for the Invention in any country.

SIGNED at Calgary this 9th day of January, 2017.


HONGWEN ZHANG


Signature of Witness

SIGNED at Calgary this 9 day of January, 2017.


MARK KOOB


Signature of Witness

SIGNED at Calgary this 9 day of January, 2017.


KEVIN CHMILAR


Signature of Witness

SIGNED at Calgary this 9th day of January, 2018.



HUSAM KINAWI



Signature of Witness