504241374 02/23/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHENG CHE CHANG	02/13/2017
CHUN WEN CHANG	02/13/2017
NAI-WEI CHANG	02/13/2017
MENG-CHE LEE	02/13/2017

RECEIVING PARTY DATA

Name:	Trend Micro Incorporated	
Street Address:	Shinjuku MAYNDS Tower 27F, 2-1-1 Yoyogi	
City:	Shibuya-Ku, Tokyo	
State/Country:	JAPAN	
Postal Code:	151-0053	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15430903

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ATTORNEY DOCKET NUMBER: 10033.034000 NAME OF SUBMITTER: PATRICK D. BENEDICTO **SIGNATURE:** /Patrick D. Benedicto, Reg. No.909/ **DATE SIGNED:** 02/23/2017

Total Attachments: 2

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> **PATENT REEL: 041357 FRAME: 0146** 504241374

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred herein as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Trend Micro Incorporated**, a **Japan** corporation, having a place of business at **Shinjuku MAYNDS Tower 27F, 2-1-1 Yoyogi, Shibuya-Ku, Tokyo 151-0053, Japan**, ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the provisional application filed under 35 U.S.C. §111(b) or non-provisional application filed under 35 U.S.C. §111(a) ("APPLICATION"), entitled "METHODS AND SYSTEMS FOR DETECTING COMPUTER SECURITY THREATS" and with the following particulars:

Filing Date: Fe	bruary 13, 2017	Attorney Docket No.:	10033.034000
Application No.:	15/430,903	, in the second second	

- 2. The entire worldwide right, title, and interest in and to:
- (a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all divisional, provisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted or have been granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in and to the APPLICATION, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all assignments, oaths, powers of attorney, applications, and other papers (and/or documents) necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR further authorizes and directs the attorneys of record to insert in this document the serial number and filing date of the APPLICATION, identified by the attorney docket number and title set forth above, as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

Re: Title: Serial No.: Filing Date: Atty. Docket No.	METHODS AND SYSTEMS FOR DETECTING COMPUTER SECURITY THREATS 15/430,903 02/13/2017 10033.034000		
This Assi deemed an origin	gnment may be executed in o al and all of which may be take	one or more counterparts, each of which shall be en together as one and the same Assignment.	
Name and Signature Sheng Che CHA	CHANG	Date of Signature > (1/2 .2017)	
Name and Signature Min Wen Chun Wen CHA	Chang- NG (Date of Signature 2. [2, 2017]	
Name and Signature <u>Vai-Wei C(-</u> Nai-Wei CHANG		Date of Signature 2.13 .2017	
Name and Signature Meng Che Le.C.		Date of Signature	

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Meng-Che LEE

Title of Document: ASSIGNMENT