#### 505923449 02/19/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5970167

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
WEN-KWANG TSAO	01/24/2020
MUN-HOU WONG	01/30/2020
ANNIE BU	01/29/2020
CHIA-YEN CHANG	01/30/2020
JONATHAN JAMES OLIVER	01/29/2020
LIAM HUANG	01/30/2020
ALLEN LAI	01/29/2020
CHIEN-YI CHIU	02/01/2020
PING-HUAN WU	01/30/2020

# **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:	16774358

# **CORRESPONDENCE DATA**

Fax Number: (408)436-2114

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.

Email: jina@OBLLP.com

**OKAMOTO & BENEDICTO LLP Correspondent Name:** 

Address Line 1: P.O. BOX 641330

Address Line 4: SAN JOSE, CALIFORNIA 95164-1330

ATTORNEY DOCKET NUMBER:	10033.070510 (TM19-035)
NAME OF SUBMITTER:	PATRICK D. BENEDICTO
SIGNATURE:	/Patrick D. Benedicto, Reg. No. 40,909/

**PATENT** REEL: 051856 FRAME: 0380

505923449

DATE SIGNED:	02/19/2020
Total Attachments: 15	
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PATENT REEL: 051856 FRAME: 0381

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 "STATEFUL DETECTION OF CYBERATTACKS" and with the following particulars:

Filing Date:Jan	uary 28, 2020	Attorney Docket No.: _	10033.070510
Application No.:	16/774 358		

- 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.

Title: Serial No.:	STATEFUL DETECTION OF CYBEI 16/774,358	RATTACKS	
	01/28/2020 10033.070510		
This Assign	ment may be executed in one o and all of which may be taken to		
Name and Signature Wen Kwa Wen-Kwang TSAC	ng Tsao	Date of Signature  0/24	<u>,2020</u>
Name and Signature	·	Date of <u>Signature</u>	
Mun-Hou WONG		<u></u>	<u>.2020</u>
Name and Signature	· 	Date of <u>Signature</u>	
Annie BU		<del>0.0 1,</del>	<u>,2020</u>
Name and Signature		Date of <u>Signature</u>	
			.2020

Title of Document: ASSIGNMENT

Re:

Chia-Yen CHANG

Title of Document:	ASSIGNMENT	
Re: Title: Serial No.: Filing Date: Atty. Docket No.	STATEFUL DETECTION OF CYBERATTACKS 16/774,358 01/28/2020 10033.070510	
Name and Signature	е	Date of <u>Signature</u>
Jonathan Jame	es OLIVER	2020
Name and Signature  Liam HUANG	MANS.	Date of Signature  Jan / 30/2020
Name and Signature	·	Date of Signature
Allen LAI		2020_
Name and Signature	·	Date of Signature
Chien-Yi CHIU		
Name and Signature	<u>.                                    </u>	Date of Signature
Ping-Huan WU		

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Re: Title: Serial No.: Filing Date: Atty. Docket No.	STATEFUL DETECTION OF CYBERATTACKS 16/774,358 01/28/2020 10033.070510	
This Assign deemed an original	nment may be executed in one or more count and all of which may be taken together as one	erparts, each of which shall be and the same Assignment.
Name and Signature		Date of Signature
Wen-Kwang TSA	0	,2020
Name and Signature		Date of Signature
Mun-Hou WONG	·	OI / 30 ,2020
Name and Signature		Date of Signature
Annie BU		,2020

Chia-Yen CHANG

Name and Signature

Date of

Signature

Title of Document: A	SSIGNMENT		PATENT
Re: Title: Serial No.: Filing Date: Atty. Docket No.	STATEFUL DETECTION OF CYBERATTACKS 16/774,358 01/28/2020 10033.070510		
Name and Signature		Date of Signature	
Jonathan James	OLIVER	,2020	-
Name and Signature		Date of Signature	
Liam HUANG		,2020	
		D 4 6	

Name and Signature

Date of
Signature

Chien-Yi CHIU

Name and Signature Date of Signature

,2020

Ping-Huan WU

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Title of Document: A	ASSIGNMENT	PATENT
Re: Title: Serial No.: Filing Date: Atty. Docket No.	STATEFUL DETECTION OF 16/774,358 01/28/2020 10033.070510	CYBERATTACKS
This Assig deemed an origina	gnment may be executed in a land all of which may be to	one or more counterparts, each of which shall be ken together as one and the same Assignment.
Name and Signature		Date of <u>Signature</u>
Wen-Kwang TSA	0	
Name and Signature	<del></del>	Date of <u>Signature</u>
Mun-Hou WONG		
Name and Signature  Manuel Q  Annie BU	DV	Date of Signature  Jan 29.2020
Name and Signature		Date of <u>Signature</u>

Chia-Yen CHANG

\_\_\_\_\_,2020

Re:					
Title:		CTION OF CYBERATTACKS			
Serial No.:	16/774,358				
Filing Date:	01/28/2020				
Atty. Docket No.	10033.070510				
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Name and Signature	,		<u>Signature</u>		
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Jonathan Jame	s OLIVER		ι /		
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Liam HUANG					
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Allen LAI					
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Chien-Yi CHIU				<del></del>	
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Name and Signature			<u>Signature</u>		
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Ding Huan Mil				<u></u>	
Ping-Huan WU					

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PA	TH	'N'

Title of Document: ASSIGNME	ENT	PATENT
Re:       STATEFORM         Title:       STATEFORM         Serial No.:       16/774,35         Filing Date:       01/28/202         Atty. Docket No.       10033.070	20	
This Assignment madeemed an original and all o	ay be executed in one or more counter of which may be taken together as one a	erparts, each of which shall be and the same Assignment.
Name and Signature	· 	Date of Signature
Wen-Kwang TSAO		
Name and Signature	<del></del>	Date of Signature
Mun-Hou WONG		
Name and Signature		Date of Signature
Annie BU		2020
Name and Signature Chia Ten Chang	<del></del>	Date of Signature
Chia-Yen CHANG	·	/. 30 <u>2020</u>

Title of Document: ASSIGNMENT

Re:

Title:

STATEFUL DETECTION OF CYBERATTACKS

Serial No.:

16/774,358 01/28/2020

Filing Date:
Atty. Docket No.

10033.070510

Name and Signature	Date of <u>Signature</u>
Jonathan James OLIVER	
Name and Signature	Date of <u>Signature</u>
Liam HUANG	
Name and Signature	Date of <u>Signature</u>
Allen LAi	
Name and Signature	Date of Signature ,2020
Chien-Yi CHIU	
Name and Signature  Ping Huan Wu 吳東寰	Date of Signature
Ping-Huan WU	

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**PATENT** 

Title of Document: ASSIGNMENT

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Title:

STATEFUL DETECTION OF CYBERATTACKS

Serial No.: Filing Date: 16/774,358 01/28/2020

Atty. Docket No.

10033.070510

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Name and Signature		Date of Signature	
	······		,2020
Name and Signature		Date of Signature	
Mun-Hou WONG			,2020
Name and Signature		Date of Signature	
Annie BU			,2020
Name and Signature		Date of Signature	
Chia-Van CHANG	_		,2020

Title of Document: A	ASSIGNMENT		PATENT
Re: Title:	STATEFUL DETECTION OF CYBERATTACKS		
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Name and Signature		Date of Signature	
Jonathan James	OLIVER	,2020	
		D ( )	

Date of Name and Signature Signature ,2020 Liam HUANG Date of Name and Signature Signature ,2020 Allen LAI Date of Name and Signature Signature Feb. 1 ,2020 Chien-Yi CHIU Date of Name and Signature Signature ,2020

Ping-Huan WU

**RECORDED: 02/19/2020** 

PATENT REEL: 051856 FRAME: 0396