

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JING CAO	11/13/2019
QUAN YUAN	11/13/2019
BO LIU	11/13/2019
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<b>Name:</b>	TREND MICRO INC.
<b>Street Address:</b>	SHINJUKU MAYNDS TOWER,
<b>Internal Address:</b>	30F 2-1-1, YOYOGI, SHIBUYA-KU
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	151-0053
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16692680
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<b>ATTORNEY DOCKET NUMBER:</b>	TRNDP169
<b>NAME OF SUBMITTER:</b>	JONATHAN O. SCOTT
<b>SIGNATURE:</b>	/Jonathan O. Scott/
<b>DATE SIGNED:</b>	11/22/2019
<b>Total Attachments: 1</b>	
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## ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

**PREVENTION OF CREDENTIAL PHISHING BASED UPON LOGIN BEHAVIOR ANALYSIS**

(Atty. Docket No. TRNDP169),

- for which I have executed a U.S. patent application on even date herewith.  
 which bears U.S. Application No. 16/692,680  
 which is a U.S. provisional application.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

- 1) Sell, assign and transfer to **Trend Micro Inc.**, a Japanese corporation having a place of business at Shinjuku MAYNDS Tower, 30F 2-1-1, Yoyogi, Shibuya-ku, Tokyo, JAPAN 151-0053 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the Application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

- 1) Signature: Jing Cao 曹晶 Date: 2019.11.13  
Typed Name: Jing CAO
- 2) Signature: Quan Yuan 袁权 Date: 2019.11.13  
Typed Name: Quan YUAN
- 3) Signature: Bo Liu 刘博 Date: 2019.11.13  
Typed Name: Bo LIU