

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tzu-yi NIEN</td> <td>04/30/2013</td> </tr> <tr> <td>Nu Yu KU</td> <td>04/30/2013</td> </tr> <tr> <td>Yuan-Kai HSIUNG</td> <td>04/30/2013</td> </tr> <tr> <td>Yi-Jhen YANG</td> <td>05/08/2013</td> </tr> </tbody> </table>	Name	Execution Date	Tzu-yi NIEN	04/30/2013	Nu Yu KU	04/30/2013	Yuan-Kai HSIUNG	04/30/2013	Yi-Jhen YANG	05/08/2013	
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Yuan-Kai HSIUNG	04/30/2013										
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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											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13890034</td> </tr> </tbody> </table>	Property Type	Number	Application Number:	13890034							
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CORRESPONDENCE DATA											
Fax Number:	4084362114										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Email:	jina@OBLLP.com										
Correspondent Name:	OKAMOTO & BENEDICTO LLP										
Address Line 1:	P.O. BOX 641330										
Address Line 4:	SAN JOSE, CALIFORNIA 95164-1330										
ATTORNEY DOCKET NUMBER:	10033.020910 (TM12-195)										
NAME OF SUBMITTER:	PATRICK D. BENEDICTO										
Signature:	/Patrick D. Benedicto, Reg. No. 40,909/										
Date:	06/12/2013										
Total Attachments: 2 source=TM12-195_Assignment#page1.tif source=TM12-195_Assignment#page2.tif											

OP \$40.00 13890034

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 "**USER AUTHENTICATION USING A PORTABLE MOBILE DEVICE**" and with the following particulars:

Filing Date: May 8, 2013

Attorney Docket No.: 10033.020910

Application No.: 13/890,034

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.

PATENT

Title of Document: ASSIGNMENT

Re:

Title: USER AUTHENTICATION USING A PORTABLE MOBILE DEVICE

Serial No.:

Filing Date:

Atty. Docket No. 10033.020910

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Name and Signature

Date of
Signature

Tzu-yi Nien

4, 30 .2013

Tzu-yi NIEN

Name and Signature

Date of
Signature

Nu Yu Ku

4, 30 .2013

Nu Yu KU

Name and Signature

Date of
Signature

Yuan-Kai Hsiung

4. 30 .2013

Yuan-Kai HSIUNG

Name and Signature

Date of
Signature

Yi-Jhen Yang

5. 8 .2013

Yi-Jhen YANG