

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5539053

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| GIL BARAK | 05/23/2019 |
| RECEIVING PARTY DATA | |
| Name: | PALO ALTO NETWORKS, INC. |
| Street Address: | 3000 TANNERY WAY |
| City: | SANTA CLARA |
| State/Country: | CALIFORNIA |
| Postal Code: | 95054 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15404545 |
| CORRESPONDENCE DATA | |
| Fax Number: | (512)670-8904 |
| <i>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.</i> | |
| Phone: | 5127108326 |
| Email: | uspto@gilliamip.com |
| Correspondent Name: | GILLIAM IP PLLC (PALO ALTO NETWORKS) |
| Address Line 1: | 7200 N. MOPAC EXPY. |
| Address Line 2: | SUITE 440 |
| Address Line 4: | AUSTIN, TEXAS 78731 |
| ATTORNEY DOCKET NUMBER: | 114.PALO-00572-US-NP |
| NAME OF SUBMITTER: | MELISSA R. LUCAS |
| SIGNATURE: | /Melissa R. Lucas/ |
| DATE SIGNED: | 05/23/2019 |
| This document serves as an Oath/Declaration (37 CFR 1.63). | |
| Total Attachments: 2 | |
| source=PALO-00572-US-NP_AssignmentDeclaration_Filed20190523#page1.tif | |
| source=PALO-00572-US-NP_AssignmentDeclaration_Filed20190523#page2.tif | |

DECLARATION AND ASSIGNMENT

APPLICATION NUMBER: 15/404,545

DOCKET NUMBER: 114.PALO-00572-US-NP

TITLE: DETECTION OF PERSISTENT THREATS IN A COMPUTERIZED ENVIRONMENT BACKGROUND

As an inventor, the undersigned hereby declares that:

This declaration is directed to the patent application(s) accompanying this declaration and assignment. The patent application(s) accompanying this Declaration and Assignment is referred to as the "Application." The term "Invention" means any disclosure, invention, improvement, or discovery disclosed in the Application.

I affirm the following:

- 1) the Application was made or authorized to be made by me;
- 2) I believe that I am the original inventor or an original joint inventor of a claimed Invention;
- 3) I have reviewed and understand the content of the Application, including the claims; and
- 4) I am aware that I have a duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined by 35 U.S.C. §1.56(b).

FURTHERMORE, the undersigned hereby assigns or have assigned, and hereby transfers or have transferred to **Palo Alto Networks, Inc.**, a Delaware corporation having a principal place of business at 3000 Tannery Way, Santa Clara, California 95054, and any of its successors, legal representatives, and assignees the entire worldwide right, title, and interest in and to the Invention, the Application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefrom in the United States and in all foreign countries and jurisdictions, including all continuing applications (i.e., divisionals, continuations, continuations-in-part), reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents.

In addition, the undersigned authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to **Palo Alto Networks, Inc.**, its successors, legal representatives, and assignees, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by **Palo Alto Networks, Inc.**, its successors, legal representatives, and assignees to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made.

The undersigned also agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, for **Palo Alto Networks, Inc.**, its successors, legal

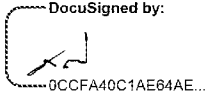
representatives, and assignees, whenever requested by **Palo Alto Networks, Inc.**, its successors, legal representatives, or assignees.

The undersigned further agrees to: (a) cooperate with **Palo Alto Networks, Inc.**, in the protection of the Invention and prosecution of domestic and foreign patent applications claiming the Invention; (b) execute, verify, acknowledge and deliver further documents, including patent applications and instruments of transfer; and (c) perform such other acts as **Palo Alto Networks, Inc.**, lawfully may request to obtain or maintain any patent arising from the Application and any and all applications and registrations for the Invention in any and all countries.

The undersigned acknowledges any prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to **Palo Alto Networks, Inc.**, and possesses the full and unencumbered right to assign and transfer the rights hereby assigned, and transferred. The undersigned has not executed, and will not execute, any document or instrument in conflict with this Assignment. The undersigned also hereby grants **Palo Alto Networks, Inc.**, its successors, legal representatives, and assignees, the right to insert in this Assignment any further identification (including, but not limited to, the Application) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of **California**, and any disputes will be resolved in a **California** state court or federal court sited in **California**.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

1) Legal Name of Inventor: Gil Barak

Signature:  _____

Date: 5/23/2019 _____