

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| ABHISHEK SINGH | 12/28/2015 |
| RECEIVING PARTY DATA | |
| Name: | FIREEYE, INC. |
| Street Address: | 601 MCCARTHY BLVD. |
| City: | MILPITAS |
| State/Country: | CALIFORNIA |
| Postal Code: | 95035 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16102595 |
| CORRESPONDENCE DATA | |
| Fax Number: | (714)546-9035 |
| <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> | |
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| Correspondent Name: | RUTAN & TUCKER, LLP |
| Address Line 1: | 611 ANTON BLVD., SUITE 1400 |
| Address Line 4: | COSTA MESA, CALIFORNIA 92626 |
| ATTORNEY DOCKET NUMBER: | 101966.0089P2 |
| NAME OF SUBMITTER: | WILLIAM W. SCHAAL, REG. NO. 39018 |
| SIGNATURE: | /William W. Schaal/ |
| DATE SIGNED: | 01/13/2020 |
| Total Attachments: 2 | |
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| source=101966-0089P2_Assignment_parent_signed#page2.tif | |

ASSIGNMENT

WHEREAS, the undersigned, inventor,

_____ of _____
Abhishek Singh of Morgan Hill, CA

(referred to hereinafter as "ASSIGNORS") have invented a certain invention entitled

MALICIOUS MESSAGE ANALYSIS SYSTEM

for which a patent application for Letters of Patent of the United States of America was filed herewith (or on _____, serial number _____); which together with related experimental data, trade secret, and other know-how is referred to hereinafter as the INVENTION;

WHEREAS FireEye, Inc., a corporation having its principal place of business at 1440 McCarthy Blvd., Milpitas, California 95035, USA (referred to hereinafter as "ASSIGNEE"), is desirous of acquiring all entire right, title and interest in, to and under said INVENTION, and in, to and under Letters Patent or similar legal protection to be or having been obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto; and

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto the ASSIGNEE, its successors and assigns the entire title, right and interest in and to the INVENTION, and to all Letters Patent or similar legal protection arising therefrom, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said INVENTION by said application or any continuation, continuation-in-part, divisional, renewal, substitute, reissue or reexamination thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted, including all priority rights under any International Convention.

ASSIGNOR further covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment; and

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said INVENTION, including the patent application listed above, and any Letters Patent and legal equivalents in foreign countries issuing therefrom as may be known and accessible to ASSIGNOR, and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

ASSIGNOR and ASSIGNEE each covenant to perform all acts and execute and deliver all documents as may be necessary or appropriate to carry out the intent and purposes of this assignment.

This assignment embodies the entire understanding of ASSIGNOR and ASSIGNEE and supersedes and replaces any and all pre-existing assignments or understandings between ASSIGNOR and ASSIGNEE. No amendment or modification of this assignment shall be valid or binding upon ASSIGNOR or ASSIGNEE unless made in writing and signed on behalf of each of ASSIGNOR and ASSIGNEE by their respective duly authorized representative.

WITNESS my hand at Morgan Hill, USA, this 28 day of Dec 2015,
City Country Month

Abhishek Singh
Abhishek Singh