PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| DMITRIY VIKTOROV | 06/04/2018 |

RECEIVING PARTY DATA

| Name: | F-SECURE CORPORATION | |
|-----------------|----------------------|--|
| Street Address: | TAMMASAARENKATU 7 | |
| City: | HELSINKI | |
| State/Country: | FINLAND | |
| Postal Code: | 00180 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16019786 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: 083A.0030.U1(US) | | |
|--|----------------------|--|
| NAME OF SUBMITTER: MARK F. HARRINGTON | | |
| SIGNATURE: | /Mark F. Harrington/ | |
| DATE SIGNED: 06/27/2018 | | |
| This document serves as an Oath/Declaration (37 CFR 1.63). | | |

Total Attachments: 2

source=CombinedAssignmentDeclaration#page1.tif source=CombinedAssignmentDeclaration#page2.tif

PATENT 504979692 REEL: 046214 FRAME: 0696

ASSIGNMENT OF INVENTION CONTAINING THE INVENTOR'S DECLARATION

| Title of Invention | Protection from malicious and/or harmful content in cloud-based service scenarios | |
|-----------------------|--|-----------------------|
| Filing Details | This assignment is directed to useful improvements as described in (check all that apply): | |
| | Provisional Application No. | Filed On |
| | US Application No. | Filed On |
| | a 371 national stage of | _ Filed On |
| | ☑ United Kingdom Patent Application 1710378.9 | Filed On 29 June 2017 |
| | PCT Application No. | Filed On |

This ASSIGNMENT is between inventor Dmitriy Viktorov as Assignor; and F-SECURE CORPORATION, a corporation organized under the laws of Finland, having its principal office in Tammasaarenkatu 7, FIN-00180 Helsinki, Finland, as Assignee.

As the below named inventor, I have invented certain improvements in the patent application for which an application for Letters Patent have been filed as identified above.

I authorize the attorney of record to update this document to include Filing Details as listed above (i/e., filing date, serial number, etc.) to correspond to the Title of the Invention and Docket Number if such Filing Details are not available at the time I signed this document;

F-SECURE CORPORATION wishes to acquire the entire right, title and interest in and under the said invention and the said application. This includes any and all Letters Patent granted in all countries where it has been filed, including all rights to claim priority, and to all improvements which are disclosed in the said invention.

I hereby sell, assign, transfer and set over, unto said Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under said invention, and said application. This includes all divisional, renewal, substitutional, non-provisional, and continuing applications thereof, and all Letters Patent of all countries which may be granted thereon and all reissues, reexaminations, and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country, and all extensions, renewals, reexaminations, and reissues thereof. Furthermore, this also includes all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages. I hereby authorize and request the official of any country, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this document. I hereby acknowledge that I have received sufficient compensation.

I have the full right to convey the entire interest assigned in this document, and I have not executed, and will not execute, any agreement in conflict with this assignment.

I will do everything possible to aid said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries. This includes communicating any facts known to me respecting said invention, testifying in any legal proceedings, signing all lawful papers, executing all divisional, renewal, substitutional, continuing, reexamination, and reissue applications, and making all rightful declarations and oaths.

This Assignment is deemed to be effective at least as early as 29 June, 2017 (the first filing priority date).

| DECLARATION | |
|---|---|
| As the below named inventor, I hereby declare that: | : |
| This declaration is directed to | |
| ☑ The attached application or | |
| application number filed on | |
| The above-identified application was made or a | authorized to be made by me. |
| I believe that I am the original inventor or an orapplication. | riginal joint inventor of a claimed invention in the |
| Applying to the applications filed with the Unit | ted States Patent and Trademark Office: |
| I hereby acknowledge that any willful false state 18 U.S.C. 1001 by fine or imprisonment of not | ement made in this declaration is punishable under more than five (5) years, or both. |
| Inventor/Assignor Name: Dmitriy Viktorov Residence Address: Espoo, Finland | Inventor Signature Dated: 4.6.2018 Witness Signature Witness Signature |
| | Witness Name: PIRITH KORK414 |