503548941 10/30/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3595568

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		

CONVEYING PARTY DATA

Name	Execution Date
SUDHAKAR MUDDU	10/29/2015
CHRISTOS TRYFONAS	10/29/2015
MARIOS ILIOFOTOU	10/29/2015

RECEIVING PARTY DATA

Name:	SPLUNK INC.	
Street Address:	250 BRANNAN STREET	
City:	SAN FRANCISCO	
State/Country:	CALIFORNIA	
Postal Code:	: 94107	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14929132

CORRESPONDENCE DATA

Fax Number: (650)838-4350

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.

Phone: 206-359-8000

Email: crystalfong@perkinscoie.com

Correspondent Name: PERKINS COIE LLP - SPLUNK, INC.

Address Line 1: P.O. BOX 1247

Address Line 4: SEATTLE, WASHINGTON 98111-1247

ATTORNEY DOCKET NUMBER:	SP0139.11US (8027.US01)	
NAME OF SUBMITTER:	SHIH-YO CHENG	
SIGNATURE:	/Shih-Yo Cheng/	
DATE SIGNED:	10/30/2015	

Total Attachments: 6

source=Muddu#page1.tif source=Muddu#page2.tif source=Tryfonas#page1.tif source=Tryfonas#page2.tif

> REEL: 036928 FRAME: 0694 503548941

PATENT

source=liiofotou#page1.tif source=liiofotou#page2.tif

> PATENT REEL: 036928 FRAME: 0695

ASSIGNMENT BY INVENTORS

This Assignment is by **Sudhakar Muddu**, **Christos Tryfonas** and **Marios Iliofotou** (the "Assignors"). The Assignors have invented one or more certain inventions (the "Invention(s)") described in a Patent Application for Letters Patent of the United States entitled **PROBABILISTIC SUFFIX TREES FOR NETWORK SECURITY ANALYSIS** (the "Application"), filed on **October 30, 2015**, as U.S. Patent Application No. <u>14/929,132</u>. The Assignors authorize the Assignee, identified below, or its representatives to insert the application number of the Application when known.

Splunk Inc., a corporation of Delaware, having its principal place of business at **250 Brannan Street, San Francisco, CA 94107** ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that Assignors own the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the Rights; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee.

Date:	This Assignment may be october 29, 2015	e executed in c Signature:	Sudhakar Muddu 16AFAA6D8FCB40F Sudhakar Muddu	
Date:		Signature:	Christos Tryfonas	

1

Date:	 Signature:	
	-	Marios Iliofotou

REEL: 036928 FRAME: 0697

2

ASSIGNMENT BY INVENTORS

This Assignment is by **Sudhakar Muddu**, **Christos Tryfonas** and **Marios Iliofotou** (the "Assignors"). The Assignors have invented one or more certain inventions (the "Invention(s)") described in a Patent Application for Letters Patent of the United States entitled **PROBABILISTIC SUFFIX TREES FOR NETWORK SECURITY ANALYSIS** (the "Application"), filed on **October 30, 2015**, as U.S. Patent Application No. <u>14/929,132</u>. The Assignors authorize the Assignee, identified below, or its representatives to insert the application number of the Application when known.

Splunk Inc., a corporation of Delaware, having its principal place of business at **250 Brannan Street, San Francisco, CA 94107** ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that Assignors own the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the Rights; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee.

This Assignment may be executed in counterparts.

Date:		Signature:	
Date:	October 29, 2015	Signature:	Sudhakar Muddu Docusigned by: Unistos Tryfonas B8222CDB582B428 Christos Irytonas

Splunk Reference No. SP0139.11US (8027.US01)
Attorney Docket No. 112509-8027.US01
112509-8027.US01/128379464.1

DocuSign Envelope ID: A7774D25-1E7B-4539-89B3-F7BC92ED5776

Date: Signature: Marios Iliofotou

2

ASSIGNMENT BY INVENTORS

This Assignment is by **Sudhakar Muddu**, **Christos Tryfonas** and **Marios Iliofotou** (the "Assignors"). The Assignors have invented one or more certain inventions (the "Invention(s)") described in a Patent Application for Letters Patent of the United States entitled **PROBABILISTIC SUFFIX TREES FOR NETWORK SECURITY ANALYSIS** (the "Application"), filed on **October 30, 2015**, as U.S. Patent Application No. <u>14/929,132</u>. The Assignors authorize the Assignee, identified below, or its representatives to insert the application number of the Application when known.

Splunk Inc., a corporation of Delaware, having its principal place of business at **250 Brannan Street, San Francisco, CA 94107** ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that Assignors own the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the Rights; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee.

Date:		Signature:		
			Sudhakar Muddu	
Date:		Signature:		

Christos Tryfonas

This Assignment may be executed in counterparts.

Splunk Reference No. SP0139.11US (8027.US01)
Attorney Docket No. 112509-8027.US01
112509-8027.US01/128379464.1

Date: October 29, 2015

Signature:

MALUDING 18

DocuSigned by:

Marios Iliofotou