505456190 05/01/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5502993

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZHUXUAN JIN	04/30/2019
GEORGE APOSTOLOPOULOS	04/30/2019

RECEIVING PARTY DATA

Name:	SPLUNK INC.
Street Address:	270 BRANNAN STREET
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94107

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16399734

CORRESPONDENCE DATA

Fax Number: (713)403-4201

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.

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 7134034200 Email: kohale@fbfk.law

Correspondent Name: FERGUSON BRASWELL FRASER KUBASTA PC

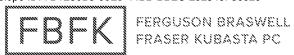
Address Line 1:9 GREENWAY PLAZAAddress Line 4:HOUSTON, TEXAS 77046

ATTORNEY DOCKET NUMBER:	18514/019001
NAME OF SUBMITTER:	ROBERT P. LORD
SIGNATURE:	/Robert P. Lord/
DATE SIGNED:	05/01/2019

Total Attachments: 2

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PATENT 505456190 REEL: 049054 FRAME: 0658



Attorney Docket No.: 18514/019001

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

SPLUNK INC.

having the following address: 270 Brannan Street

San Francisco, California 94107

(referred to herein as "COMPANY"), its successors and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title (referred to herein as "INVENTION"):

ANOMALY EVENT DETECTION USING FREQUENT PATTERNS

for which the INVENTOR(S) or COMPANY has/have made an application for patent in the United States of America, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) that may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

- 1. To sign and execute any further documents that may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
- 2. To execute all papers and documents and to perform all lawful acts that may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
- 3. To perform all lawful affirmative acts that may be necessary to obtain the grant of valid and enforceable patents to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of FERGUSON BRASWELL FRASER KUBASTA PC the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

PATENT REEL: 049054 FRAME: 0659



Attorney Docket No.: 18514/019001

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned INVENTOR(S) on the date appearing by such individual's signature:

DocuSigned by:

April 30, 2019	1st Inventor Signature: / Huy wan Jin/	
Date	Print or Type Name: Zhuxemer FFX4480	
	DocuSigned by:	
April 30, 2019	2nd Inventor Signature: [/George Apostolopoulos/	
Date	Print or Type Name: George APOSTOLOPOULOS	

When this Assignment is \underline{not} filed concurrently with the patent application, the following identifying information may be added \underline{after} execution:

U.S. Application Serial No.: 16/399,734
Filing Date: April 30, 2019

PATENT
RECORDED: 05/01/2019 REEL: 049054 FRAME: 0660