10/01/2019 505700996

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5747806

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NATHANIEL MCCALLUM	11/05/2015
NIKOLAOS MAVROGIANNOPOULOS	04/11/2015

RECEIVING PARTY DATA

Name:	RED HAT, INC.
Street Address:	100 EAST DAVIE STREET
City:	RALEIGH
State/Country:	NORTH CAROLINA
Postal Code:	27601

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16589435

CORRESPONDENCE DATA

Fax Number: (973)597-2400

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: 9735972500

Email: dandreev@lowenstein.com

Correspondent Name: PATENT DOCKET ADMINISTRATOR

Address Line 1: ONE LOWENSTEIN DRIVE LOWENSTEIN SANDLER LLP Address Line 2: Address Line 4: **ROSELAND, NEW JERSEY 07068**

ATTORNEY DOCKET NUMBER:	05220.2352 (L1952C)
NAME OF SUBMITTER:	DMITRY ANDREEV
SIGNATURE:	/Dmitry Andreev/
DATE SIGNED:	10/01/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

source=Declaration#page1.tif source=Declaration#page2.tif source=Declaration#page3.tif

> **PATENT REEL: 050585 FRAME: 0623**

505700996

DECLARATION (37 CFR 1.63) AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of	ENABLING SINGLE SIGN-ON AUTHENTICATION FOR			
Invention	ACCESSING PROTECTED NETWORK SERVICES			
This declaration and assignmer is directed to:	United States application or PCT international application number			
DECLARA ⁻	TION			
As a below	named inventor, I hereby declare that:			
The above	e-identified application was made or authorized to be made by me.			
I believe tl	nat I am the original inventor or an original joint inventor of a claimed invention in the application.			
	cknowledge that any willful false statement made in this declaration is punishable under 18 01 by fine or imprisonment of not more than five (5) years, or both.			
ASSIGNM	ENT			
	and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ed, hereby sell, assign, and transfer to <u>Red Hat, Inc.</u>			
a(Type of Assig	corporation of Delaware , nee: e.g., corporation, company, partnership, university, etc.)			
having a p	rincipal place of business at 100 East Davie Street, Raleigh, North Carolina 27601,			
the United disclosed and all pro divisional application	e"), and its successors, assigns, and legal representatives, the entire right, title, and interest for States and all foreign countries, in and to any and all inventions or improvements that are in the above identified application and in and to said application (provisional or non-provisional) evisional applications, non-provisional applications, utility applications, design applications, applications, continued prosecution applications, continuation-in-part ins, substitute applications, renewal applications, reissue applications, reexaminations, and all other patent applications that have been or shall be filed in the United States			

1

Atty. Docket No. 05220.1952 (L1952)

PATENT REEL: 050585 FRAME: 0624 and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

LEGAL NAME OF INVENTOR	4
Inventor: NATHANIEL MCCALLUM	Date: <u> </u>
Signature:	
LEGAL NAME OF INVENTOR	
Inventor: NIKOLAOS MAVROGIANNOPOULOS	Date:
Signature:	
LEGAL NAME OF INVENTOR	
Inventor:	Date:
Signature:	
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive ent	ity, must accompany this form.

Atty. Docket No. 05220.1952 (L1952)

Use an additional PTO/SB/AIA01 form for each additional inventor.

PATENT REEL: 050585 FRAME: 0625 and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

LEGAL NAME OF INVENTOR		
Inventor: NATHANIEL MCCALLUM	Date: _	
Signature:		
LEGAL NAME OF INVENTOR		
Inventor: NIKOLAOS MAVROGIANNOPOULOS		Date: 4/11/2015
Signature:		
LEGAL NAME OF INVENTOR		
Inventor:	Date: _	
Signature:	es asses all	
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive en Use an additional PTO/SB/AIA01 form for each additional inventor.	ntity, must ac	company this form.

Atty. Docket No. 05220.1952 (L1952)

RECORDED: 10/01/2019

PATENT REEL: 050585 FRAME: 0626