504380450 05/23/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4427145

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
VIJAY KAMALANATH BELLUR	05/19/2017

### **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:	15056973

#### **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: aessick@lowenstein.com

Correspondent Name: PATENT DOCKET ADMINISTRATOR

Address Line 1: 65 LIVINGSTON AVE

Address Line 2: LOWENSTEIN SANDLER LLP
Address Line 4: ROSELAND, NEW JERSEY 07068

ATTORNEY DOCKET NUMBER:	05220.1993 (L1993)
NAME OF SUBMITTER:	ASHLEY R. ESSICK
SIGNATURE:	/ASHLEY R. ESSICK/
DATE SIGNED:	05/23/2017

**Total Attachments: 2** 

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

PATENT 504380450 REEL: 042479 FRAME: 0848

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

Title of Invention   QUALITY OF SERVICE INA DISTRIBUTED SYSTEM    This		
declaration and United States application or PCT international application number 15/056,973 assignment filled on February 29, 2016 is directed to:  DECLARATION  As a below named inventor, I hereby declare that:  The above-identified application was made or authorized to be made by me.  I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.  ASSIGNMENT  For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned, hereby sell, assign, and transfer to Red Hat. Inc.  a corporation of Delaware  (Type of Assignee: e.g., corporation, company, partnership, university, etc.). having a principal place of business at 100 East Davie Street, Raleigh, North Carolina 27601,  ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the above identified application and in and to said applications, relevant applications, substitute applications, renewal applications, continued prosecution applications, continuation-in-part applications, and all other patent applications, relevant applications, and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued and lafforeign countries on said inventions or improvements; and in and to all rights of priority resulting and all provinces on said inventions or improvements; and in and to all original patents, reissued and lafforeign countries on said inventions or improvements; and in and to all original patents, reissued and lafforeign countries on said inventions or improvements; and in and to all original patents, reissued and lafforeign countries on said inventions or impro	} {	QUALITY OF SERVICE INA DISTRIBUTED SYSTEM
As a below named inventor, I hereby declare that:  The above-identified application was made or authorized to be made by me.  I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.  ASSIGNMENT  For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned, hereby sell, assign, and transfer to Red Hat, Inc.  a corporation of Delaware  ("Ype of Assignee: e.g., corporation, company, partnership, university, etc.), having a principal place of business at 100 East Davie Street, Raleigh, North Carolina 27601,  ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the above identified application and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, continuation applications, continued prosecution applications, cesign applications, extensions, and all other patent applications that have been or shall be filed in the United States 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	declaratior and assignmen is directed	United States application or PCT international application number <u>15/056,973</u>
The above-identified application was made or authorized to be made by me.  I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.  ASSIGNMENT  For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned, hereby sell, assign, and transfer to Red Hat, Inc.  a corporation of Delaware  (Type of Assignee: e.g., corporation, company, partnership, university, etc.), having a principal place of business at 100 East Davie Street, Raleigh, North Carolina 27601,  ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the above identified application and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, tontinuation applications, continuation applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States 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 original patents, reissued and II foreign countries on said inventions or improvements; and in and to all original patents, resulting	DECLARA	TION
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.  ASSIGNMENT  For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned, hereby sell, assign, and transfer to Red Hat, Inc.  a corporation of Delaware  (Type of Assignee: e.g., corporation, company, partnership, university, etc.), having a principal place of business at 100 East Davie Street, Raleigh, North Carolina 27601,  ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the above identified application and in and to said application (provisional or non-provisional) and all provisional applications, continuation applications, design applications, design applications, continuation applications, reexaminations, extensions, and all other patent applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications 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 any of said inventions or improvements; and in and to all rights of priority resulting	As a below	named inventor, I hereby declare that:
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.  ASSIGNMENT  For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned, hereby sell, assign, and transfer to Red Hat, Inc.  a corporation of Delaware  (Type of Assignee: e.g., corporation, company, partnership, university, etc.), having a principal place of business at 100 East Davie Street, Raleigh, North Carolina 27601,  ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the above identified application and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, edivisional applications, continuation applications, reinsue applications, reexaminations, extensions, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States 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	The above	e-identified application was made or authorized to be made by me.
U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.  ASSIGNMENT  For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned, hereby sell, assign, and transfer to Red Hat, Inc.  a corporation of Delaware  (Type of Assignee: e.g., corporation, company, partnership, university, etc.), having a principal place of business at 100 East Davie Street, Raleigh, North Carolina 27601,  ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the above identified application and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional 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 that have been or shall be filed in the United States 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	l believe th	nat I am the original inventor or an original joint inventor of a claimed invention in the application.
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned, hereby sell, assign, and transfer to <a href="Red Hat, Inc.">Red Hat, Inc.</a> <		
undersigned, hereby sell, assign, and transfer to Red Hat, Inc.  a corporation of Delaware  (Type of Assignee: e.g., corporation, company, partnership, university, etc.),  having a principal place of business at 100 East Davie Street, Raleigh, North Carolina 27601,  ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the above identified application and in and to said application (provisional or non-provisional) and 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 that have been or shall be filed in the United States 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	ASSIGNM	ENT
(Type of Assignee: e.g., corporation, company, partnership, university, etc.), having a principal place of business at 100 East Davie Street, Raleigh, North Carolina 27601,  ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the above identified application and in and to said application (provisional or non-provisional) and 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 that have been or shall be filed in the United States 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	_	
having a principal place of business at 100 East Davie Street, Raleigh, North Carolina 27601,  ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the above identified application and in and to said application (provisional or non-provisional) and 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 that have been or shall be filed in the United States 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	a	<u>corporation</u> of <u>Delaware</u> .
("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the above identified application and in and to said application (provisional or non-provisional) and 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 that have been or shall be filed in the United States 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	(Type of Assig	nee: e.g., corporation, company, partnership, university, etc.),
the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the above identified application and in and to said application (provisional or non-provisional) and 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 that have been or shall be filed in the United States 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	having a p	rincipal place of business at 100 East Davie Street, Raleigh, North Carolina 27601,
	the United disclosed and all prodivisional application extensions foreign colpatents, reand all foreign and all foreign and all foreign colpatents.	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) exisional applications, non-provisional applications, utility applications, design applications, applications, continuation, continuation, continuation, continuation, continuation, continuations, repeat applications, renewal applications, reissue applications, reexaminations, and all other patent applications that have been or shall be filed in the United States and all untries on any of said inventions or improvements; and in and to all original patents, reissued examination certificates, and extensions, that have been or shall be issued in the United States eign countries on said inventions or improvements; and in and to all rights of priority resulting

1

05220.1993 (L1993)

PATENT REEL: 042479 FRAME: 0849

agree that said Assignee may apply for and receive a patent or patents for said inventions or INDICAMENTS IN Its care 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 groot faith the ment and DECENSE OF THE ASSIGNMENT. The unique express was even detail provincing appropriately a first provincing Applications utility applications, design applications, discional applications, Control Co. Applications Continued prosecution applications, continuation in part applications, substitute applications, renewal applications resiste applications registaring one extensions and all other patent applications or any and all said inventions or improvements, execute all rightly paths, assignments, powers of altoney, 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, Icense, 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

> PATENT REEL: 042479 FRAME: 0850

Inventor Viay Kamalanath Bellur Dale 5 (1)

Superior (C. C. Marie