

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

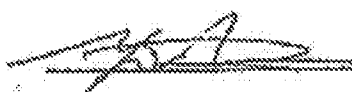
EPAS ID: PAT4933129

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	PANASONIC CORPORATION	02/08/2018
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	RED HAT, INC.	
<b>Street Address:</b>	100 EAST DAVIE STREET	
<b>City:</b>	RALEIGH	
<b>State/Country:</b>	NORTH CAROLINA	
<b>Postal Code:</b>	27601	
<b>PROPERTY NUMBERS Total: 5</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Patent Number:</b>	7103663	
<b>Patent Number:</b>	6353764	
<b>Patent Number:</b>	6363383	
<b>Patent Number:</b>	6687703	
<b>Patent Number:</b>	7162487	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<i>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.</i>		
<b>Email:</b>	patentprosecution@redhat.com	
<b>Correspondent Name:</b>	RED HAT, INC.	
<b>Address Line 1:</b>	100 EAST DAVIE STREET	
<b>Address Line 4:</b>	RALEIGH, NORTH CAROLINA 27601	
<b>ATTORNEY DOCKET NUMBER:</b>	11110075US,-76US,-77US	
<b>NAME OF SUBMITTER:</b>	AMY MALOUF	
<b>SIGNATURE:</b>	/s/ Amy Malouf	
<b>DATE SIGNED:</b>	04/25/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 7</b>		
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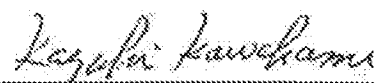
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IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by its duly authorized representative.

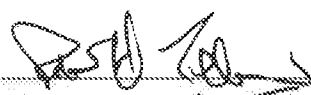
Panasonic Corporation

By:   
Name: Yoshiaki Tokuda  
Title: Director  
Date: January 24th, 2018

Panasonic Intellectual Property Corporation of America

By:   
Name: kazuki kawakami  
Title: President  
Date: January 24, 2018

Red Hat, Inc.

By:   
Name: Robert H. Tiller  
Title: Vice President and Assistant General Counsel  
Date: February 8, 2018

**SCHEDULE A**  
**ASSIGNED PATENTS**

<u>Application Number</u>	<u>Application Date</u>	<u>Publication Number</u>	<u>Country</u>	<u>Status</u>
JP2001175138	2001-06-11		Japan	Abandoned
JP20020169658	2002-06-11	JP4294266	Japan	Granted
US10/164574	2002-06-10	US7103663	United States of America	Granted
WO2002JP05756	2002-06-10	WO02101524	Patent Cooperation Treaty	Expired
EP20020733448	2002-06-10	EP1430373	European Patent	Withdrawn
KR20037016232	2002-06-10	KR20040007699	Korea, Republic of (KR)	Withdrawn
CN2002815690	2002-06-10	CN1265640	China	Abandoned
JPH09-325739	1997-11-27		Japan	Abandoned
JP19980334400	1998-11-25	JPH11327753	Japan	Withdrawn
JP20040105863	1998-11-25	JP2004289850	Japan	Withdrawn
JP20040105864	1998-11-25	JP2004282770	Japan	Rejected
JP20040105865	1998-11-25	JP2004303251	Japan	Withdrawn
US09/199371	1998-11-25	US6353764	United States of America	Granted
PI9805361	1998-11-25		Malaysia	Withdrawn
EP19980122162	1998-11-25	0919906	United Kingdom	Abandoned
DE1998630295	1998-11-25	DE69830295	Germany (Federal Republic of)	Abandoned
EP19980122162	1998-11-25	0919906	France	Abandoned
EP19980122162	1998-11-25	EP0919906	European Patent	Granted
9804993-5			Singapore	Withdrawn
CN1998126973	1998-11-27	CN1198244	China	Abandoned

<u>Application Number</u>	<u>Application Date</u>	<u>Publication Number</u>	<u>Country</u>	<u>Status</u>
1998-0051199	1998-11-27		Korea, Republic of (KR)	Withdrawn
TW19980119762	1998-11-27	TW494308	Taiwan	Abandoned
US09/219436	1998-12-23	US6363383	United States of America	Granted
US10/066757	1998-12-23	US6687703	United States of America	Granted
2001-173100	1997-12-26	JP4119623	Japan	Granted
JP19970368404	1997-12-26	JP3219386	Japan	Abandoned
US10/745530	1998-12-23	US7162487	United States of America	Granted

## SCHEDULE B-1

### TRANSFER DOCUMENTS

Panasonic Corporation, a Japanese corporation having a place of business at 1006 Oaza, Kadoma, Kadoma City, Osaka 571-8501, Japan ("*Assignor*"), hereby irrevocably assigns to Red Hat, Inc. a company organized under the laws of Delaware with its principal place of business at 100 East Davie Street, Raleigh, NC 27601 USA ("*Assignee*"), as of the date set forth below, the entire right, title and interest for the United States of America and its territorial possessions, and all foreign countries including all rights of priority, in inventions disclosed in the patents and patent applications identified on SCHEDULE A, together with future applications for patents under U.S. law or regulation or of any foreign country with respect to the patentable inventions from which any of the foregoing arise, including without limitation, divisions, continuations, continuations-in-part, substitutions, reexaminations, reissues, extensions or foreign counterparts therefrom the (collectively, "*Assigned Patents*"), the same to be held and enjoyed by said Assignee for its own use, and for the use of its successors, assigns, or other legal representatives to the end of the term or terms for which said Patents may be granted as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made and in and to all causes of action, rights, and remedies arising under any such Assigned Patent prior to, on or after the Effective Date of this Agreement and including all rights to pursue damages, injunctive relief and other remedies for past, present or future infringement or other unauthorized use of such Assigned Patents.

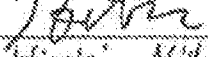
Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention that may be granted upon any of the Assigned Patents in the name of Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, Assignor has caused its duly authorized representatives to execute this Assignment.

ASSIGNOR

Panasonic Corporation

By:   
Name: Hiroaki Nishida  
Title: Authorized Signing Officer  
Date: January 28th, 2018

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of Hiroki Nishida to the above Transfer Document on behalf of Panasonic Corporation and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation if called upon to do so.
2. Hiroki Nishida is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on 1/24/2018 to execute the above Transfer document on behalf of Panasonic Corporation.
3. Hiroki Nishida executed the above Transfer Document on behalf of Panasonic Corporation.

I declare under penalty of perjury under the laws of the United States of America that the statements made above in this Attestation are true and correct.

EXECUTED on January 24th, 2018

Signature: [Signature]

Print Name: Hiroki Nishida

IN WITNESS WHEREOF, Assignee has caused this Assignment of Patent Rights to be executed by its duly authorized representative on the date set forth below.

ASSIGNEE:

Red Hat, Inc.

By: [Signature]

Name: Patrick McBride

Title: Senior Director of Patents

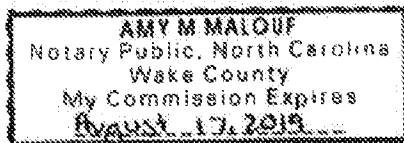
Date: January 26, 2018

On this 26<sup>th</sup> day of January, 2018, before me, a Notary Public, appeared Patrick McBride, who is personally known to me or proved to me on the basis of satisfactory evidence to be the same person whose name is subscribed to this Assignment document.

Witness my hand and official seal:

Amy M. Malouf

Notary Public [Signature]



## SCHEDULE B-2

### TRANSFER DOCUMENTS

Panasonic Intellectual Property Corporation of America, a Delaware corporation having a place of business at 20000 Mariner Avenue, Suite 200, Torrance, California, 90503 ("Assignor"), hereby irrevocably assigns to Red Hat, Inc. a company organized under the laws of Delaware with its principal place of business at 100 East Davie Street, Raleigh, NC 27601 USA ("Assignee"), as of the date set forth below, the entire right, title and interest for the United States of America and its territorial possessions, and all foreign countries including all rights of priority, in inventions disclosed in the patents and patent applications identified on SCHEDULE A, together with future applications for patents under U.S. law or regulation or of any foreign country with respect to the patentable inventions from which any of the foregoing arise, including without limitation, divisions, continuations, continuations-in-part, substitutions, reexaminations, reissues, extensions or foreign counterparts therefrom the (collectively, "*Assigned Patents*"), the same to be held and enjoyed by said Assignee for its own use, and for the use of its successors, assigns, or other legal representatives to the end of the term or terms for which said Patents may be granted as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made and in and to all causes of action, rights, and remedies arising under any such Assigned Patent prior to, on or after the Effective Date of this Agreement and including all rights to pursue damages, injunctive relief and other remedies for past, present or future infringement or other unauthorized use of such Assigned Patents.

Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention that may be granted upon any of the Assigned Patents in the name of Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, Assignor has caused its duly authorized representatives to execute this Assignment.

#### ASSIGNOR

Panasonic Intellectual Property Corporation of America

By: Kazuki Kawakami  
Name: Kazuki Kawakami  
Title: President  
Date: January 24, 2018



ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of Kazuki Kawakami to the above Transfer Document on behalf of Panasonic Intellectual Property Corporation of America and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation if called upon to do so.
2. Kazuki Kawakami is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on 1/24/2018 to execute the above Transfer document on behalf of Panasonic Intellectual Property Corporation of America.
3. Kazuki Kawakami executed the above Transfer Document on behalf of Panasonic Intellectual Property Corporation of America.

I declare under penalty of perjury under the laws of the United States of America that the statements made above in this Attestation are true and correct.

EXECUTED on January 24, 2018

Signature: [Signature]

Print Name: Yuko Ishibashi

IN WITNESS WHEREOF, Assignee has caused this Assignment of Patent Rights to be executed by its duly authorized representative on the date set forth below.

ASSIGNEE:

Red Hat, Inc.

By: [Signature]

Name: Patrick McBride

Title: Senior Director of Patents

Date: January 26, 2018

On this 26<sup>th</sup> day of January, 2018, before me, a Notary Public, appeared Patrick McBride, who is personally known to me or proved to me on the basis of satisfactory evidence to be the same person whose name is subscribed to this Assignment document.

Witness my hand and official seal:

Amy M. Malouf

Notary Public

[Signature]

