505847571 01/06/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAY VYAS	04/12/2017
HUAMIN CHEN	04/27/2017

RECEIVING PARTY DATA

Name:	RED HAT, INC.	
Street Address:	100 EAST DAVIE STREET	
Internal Address:	18TH FLOOR	
City:	RALEIGH	
State/Country:	NORTH CAROLINA	
Postal Code:	27601	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16733753

CORRESPONDENCE DATA

Fax Number: (312)827-8000

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: 312-372-1121

Email: cipatents@klgates.com

Correspondent Name: K&L GATES LLP

Address Line 1: 70 WEST MADISON STREET

Address Line 2: SUITE 3100

Address Line 4: CHICAGO, ILLINOIS 60602

ATTORNEY DOCKET NUMBER:	0816028.00333/20171010CON	
NAME OF SUBMITTER:	NOLAN R. HUBBARD	
SIGNATURE:	/Nolan R. Hubbard/	
DATE SIGNED:	01/06/2020	

Total Attachments: 4

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PATENT 505847571 REEL: 051419 FRAME: 0715

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PATENT REEL: 051419 FRAME: 0716

ASSIGNMENT

WHEREAS, the undersigned, to wit: <u>Jay Vyas</u> and <u>Huamin Chen</u> (hereinafter "ASSIGNORS"), are the lawful owners of an invention entitled <u>COOPERATIVE CLOUD</u> <u>INFRASTRUCTURE USING BLOCKCHAINS FOR HARDWARE OWNERSHIP AND ACCESS;</u>

AND WHEREAS, <u>Red Hat, Inc.</u> (hereinafter "ASSIGNEE"), a corporation duly organized and existing under the laws of <u>Delaware</u> and having its principal office and place of business at <u>100 East Davie Street</u>, <u>18th Floor</u>, <u>Raleigh</u>, <u>NC</u>, <u>27601</u>, desires to acquire the entire right, title, and interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, said ASSIGNORS hereby sell, assign, and transfer to 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 from the filing of said application;

ASSIGNORS hereby 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 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

ASSIGNORS furthermore 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.

ASSIGNORS hereby authorize insertion of the Serial Number and filing date of this application in the following space: Serial No. 15/497,429 _____, Filing Date April 26, 2017 _____.

Signature

JXYA

<u>Date Signed</u> 4/12/2017

. . .

Name: Jay Vyas

Address: c/o Red Hat, Inc.

100 East Davie Street, 18th Floor

Raleigh, NC 27601

Attorney Docket No. 0816028.00168/20171010

Signature

Name: Huamin Chen

Address: c/o Red Hat, Inc.

100 East Davie Street, 18th Floor

Raleigh, NC 27601

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Date Signed

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RECORDED: 01/06/2020