

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4963665

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHN ERIC IVANCICH	05/14/2018
ADAM CHARLES EMERSON	05/14/2018
MATTHEW WILLIAM BENJAMIN	05/14/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	RED HAT, INC.
<b>Street Address:</b>	100 EAST DAVIE STREET
<b>Internal Address:</b>	18TH FLOOR
<b>City:</b>	RALEIGH
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	27601
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15980347
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	0816028.00234/20181043
<b>NAME OF SUBMITTER:</b>	NOLAN R. HUBBARD
<b>SIGNATURE:</b>	/Nolan R. Hubbard/
<b>DATE SIGNED:</b>	05/16/2018
<b>Total Attachments: 5</b>	
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## ASSIGNMENT

WHEREAS, the undersigned, to wit: John Eric Ivancich, Adam Charles Emerson, and Matthew William Benjamin (hereinafter "ASSIGNORS"), are the lawful owners of an invention entitled **EFFICIENT DISTRIBUTED INDEXING OF CLUMPY DATA**;

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

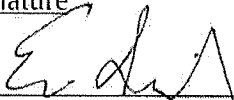
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, said ASSIGNORS hereby sell, assign, and transfer to ASSIGNEE and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign 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. 15/980,347, Filing Date May 15, 2018.

Signature



Name: John Eric Ivancich

Date Signed

5/14/18

Address: c/o Red Hat, Inc.

100 East Davie Street

18th Floor

Raleigh, NC 27601

Signature

Adam C. Emerson

Name: Adam Charles Emerson

Date Signed

05/14/2018

Address: c/o Red Hat, Inc.

100 East Davie Street

18th Floor

Raleigh, NC 27601

Signature



Date Signed

5/14/2018

Name: Matthew William Benjamin

Address: c/o Red Hat, Inc.

100 East Davie Street

18th Floor

Raleigh, NC 27601