

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FILIP NGUYEN	11/19/2014
FILIP ELIAS	11/19/2014
<b>RECEIVING PARTY DATA</b>	
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<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>
<b>Application Number:</b>	14550084
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	49145.134/20141142US
<b>NAME OF SUBMITTER:</b>	ANDREW S. EHMKE
<b>SIGNATURE:</b>	/Andrew S. Ehmke/
<b>DATE SIGNED:</b>	12/01/2014
<b>Total Attachments: 2</b>	
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source=Fully Executed Assignment#page2.tif	

## ASSIGNMENT

WHEREAS, I,

(1) Filip Nguyen, of Kaminky 18, 63400 Brno, Czech Republic

(2) Filip Elias of Vysni Lhoty 82, 739 51 Vysni Lhoty, Czech Republic

have invented certain improvements in

### FEDERATION OPTIMIZATION USING ORDERED QUEUES

for which I have executed an application for Letters Patent of the United States of America, filed on November 21, 2014 and assigned application number 14/550,084 and

WHEREAS, Red Hat, Inc. ("Red Hat"), 100 E. Davie Street, Raleigh, NC 27601 is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Red Hat, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and I hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said Red Hat, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to said Red Hat, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the

said Red Hat, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

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Inventor Name: Filip Nguyen

Residence Address: Kaminky 18, 63400 Brno, Czech Republic

Dated: 19.11.2014

Filip Nguyen  
Inventor Signature

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Inventor Name: Filip Elias

Residence Address: Vysni Lhoty 82, 739 51 Vysni Lhoty, Czech Republic

Dated: 19.11.2014

Filip Elias  
Inventor Signature