

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>KAREN NOEL</td> <td>12/19/2013</td> </tr> <tr> <td>MICHAEL S. TSIRKIN</td> <td>12/23/2013</td> </tr> </tbody> </table>		Name	Execution Date	KAREN NOEL	12/19/2013	MICHAEL S. TSIRKIN	12/23/2013				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>RED HAT ISRAEL, LTD.</td> </tr> <tr> <td>Street Address:</td> <td>34 JERUSALEM ROAD</td> </tr> <tr> <td>City:</td> <td>RA'ANANA</td> </tr> <tr> <td>State/Country:</td> <td>ISRAEL</td> </tr> <tr> <td>Postal Code:</td> <td>43501</td> </tr> </table>		Name:	RED HAT ISRAEL, LTD.	Street Address:	34 JERUSALEM ROAD	City:	RA'ANANA	State/Country:	ISRAEL	Postal Code:	43501
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (214)200-0853          Phone: 214-651-5000          Email: ipdocketing@haynesboone.com  <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>          Correspondent Name: HAYNES AND BOONE, LLP (50833)          Address Line 1: ATTN. IP DOCKETING          Address Line 2: 2323 VICTORY AVENUE , SUITE 700          Address Line 4: DALLAS, TEXAS 75219</p>											
ATTORNEY DOCKET NUMBER:	50833.9 / 20130090-US1										
NAME OF SUBMITTER:	ANDREW S. EHMKE										
Signature:	/Andrew S. Ehmke/										
Date:	01/06/2014										
<p>Total Attachments: 3          source=50833-9-Assignment-c#page1.tif          source=50833-9-Assignment-c#page2.tif          source=50833-9-Assignment-c#page3.tif</p>											

PATENT

## ASSIGNMENT

WHEREAS, we,

- (1) Karen Noel of Pembroke, New Hampshire, USA; and
- (2) Michael S. Tsirkin of 34 Jerusalem Road, Ra'anana, Israel 43501

have invented certain improvements in

### NON-BLOCKING UNIDIRECTIONAL MULTI-QUEUE VIRTUAL MACHINE MIGRATION

for which we have executed and filed an application for Letters Patent of the United States of America, on January 6, 2014; and which was assigned Application Serial No. 14/148,434; and

WHEREAS, we hereby authorize and request the attorneys of record to insert the application number and filing date of said application if this assignment is being filed after the filing date of the application; and

WHEREAS, Red Hat Israel, Ltd. ("Red Hat Israel"), 34 Jerusalem Road, Ra'anana, 43501 Israel 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, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Red Hat Israel, 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 we 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 Israel, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

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

AND WE HEREBY further covenant and agree that we will communicate to said Red Hat Israel, 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 Israel, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

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Dated: 12/19/2013

  
Karen Noel (Inventor Signature)

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Dated: \_\_\_\_\_

\_\_\_\_\_  
Michael S. Tsirkin (Inventor Signature)

Assignment


Docket No. 50833.9  
Customer No. 110773

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Dated: \_\_\_\_\_

Karen Noel (Inventor Signature)

Dated: 23/Dec/2013

  
Michael S. Tsirkin (Inventor Signature)