

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>ANDREW EDWARD DINN</td> <td>09/06/2013</td> </tr> <tr> <td>CHRISTINE H. FLOOD</td> <td>09/06/2013</td> </tr> </tbody> </table>		Name	Execution Date	ANDREW EDWARD DINN	09/06/2013	CHRISTINE H. FLOOD	09/06/2013
Name	Execution Date						
ANDREW EDWARD DINN	09/06/2013						
CHRISTINE H. FLOOD	09/06/2013						
RECEIVING PARTY DATA							
Name:	RED HAT, INC.						
Street Address:	100 E. DAVIE STREET						
City:	RALEIGH						
State/Country:	NORTH CAROLINA						
Postal Code:	27601						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14018279</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14018279		
Property Type	Number						
Application Number:	14018279						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	49145.64						
NAME OF SUBMITTER:	THUC B. NGUYEN						
Signature:	/Thuc B. Nguyen/						
Date:	12/05/2013						

OP \$40.00 14018279

Total Attachments: 4

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A S S I G N M E N T

WHEREAS, I,

- (1) Andrew Edward Dinn of INEX
Herschel Annex
Centre for Nanotechnology
Newcastle upon Tyne NE1 7RU
United Kingdom
- (2) Christine H. Flood of 13 Main Street
Westford, MA 01886

have invented certain improvements in

**NON-INTRUSIVE STORAGE OF GARBAGE COLLECTOR-SPECIFIC
MANAGEMENT DATA**

for which I have executed an application for Letters Patent of the United States of America, filed on September 4, 2013 and assigned application number 14/018279; 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,

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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.

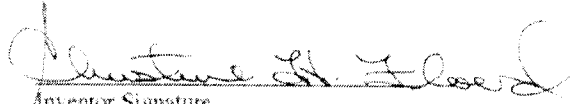
Inventor Name: Andrew Edward Dinn
Residence Address: INEX
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Centre for Nanotechnology
Newcastle upon Tyne NE1 7RU
United Kingdom

Dated: _____

Inventor Signature

Inventor Name: Christine H. Flood
Residence Address: 13 Main Street
Westford, MA 01886

Dated Sept 6 2013



Inventor Signature