

## 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>SUDIPTA SENGUPTA</td> <td>01/28/2014</td> </tr> <tr> <td>CHENGUANG ZHU</td> <td>01/28/2014</td> </tr> <tr> <td>CHUN HO CHEUNG</td> <td>01/28/2014</td> </tr> <tr> <td>JIN LI</td> <td>01/28/2014</td> </tr> <tr> <td>ABHISHEK GUPTA</td> <td>01/29/2014</td> </tr> </tbody> </table>		Name	Execution Date	SUDIPTA SENGUPTA	01/28/2014	CHENGUANG ZHU	01/28/2014	CHUN HO CHEUNG	01/28/2014	JIN LI	01/28/2014	ABHISHEK GUPTA	01/29/2014
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<table border="1"> <tr> <td>Name:</td> <td>MICROSOFT CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>ONE MICROSOFT WAY</td> </tr> <tr> <td>City:</td> <td>REDMOND</td> </tr> <tr> <td>State/Country:</td> <td>WASHINGTON</td> </tr> <tr> <td>Postal Code:</td> <td>98052</td> </tr> </table>		Name:	MICROSOFT CORPORATION	Street Address:	ONE MICROSOFT WAY	City:	REDMOND	State/Country:	WASHINGTON	Postal Code:	98052		
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CORRESPONDENCE DATA													
<p>Fax Number:</p> <p>Phone: 425-836-3030</p> <p>Email: v-almich@microsoft.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: GONZALEZ SAGGIO &amp; HARLAN LLP C/O MICROSO</p> <p>Address Line 1: 704 - 228TH AVENUE NE</p> <p>Address Line 2: SUITE 193</p> <p>Address Line 4: SAMMAMISH, WASHINGTON 98074</p>													
ATTORNEY DOCKET NUMBER:	338471.01												
NAME OF SUBMITTER:	ALBERT S. MICHALIK												

PATENT

Signature:	/Albert S. Michalik/
Date:	01/30/2014
<b>Total Attachments: 10</b> source=338471-01-Assignment_SS#page1.tif source=338471-01-Assignment_SS#page2.tif source=338471-01-Assignment_CZ#page1.tif source=338471-01-Assignment_CZ#page2.tif source=338471-01-Assignment_CC#page1.tif source=338471-01-Assignment_CC#page2.tif source=338471-01-Assignment_JL#page1.tif source=338471-01-Assignment_JL#page2.tif source=338471-01-Assignment_AG#page1.tif source=338471-01-Assignment_AG#page2.tif	

I Sudipta Sengupta ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CACHING CONTENT ADDRESSABLE DATA CHUNKS FOR STORAGE VIRTUALIZATION" ("APPLICATION"), which:

☐ will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on \_\_\_\_\_ and given Application No. \_\_\_\_\_ by the following Office \_\_\_\_\_) this APPLICATION's Application No., filing date, and Office, when known;

☒ was filed on March 14, 2013 and was given Application No. 13/830,950 by the following Office "US – United States Patent and Trademark Office"

Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

Application No.	Filing Date	Office



I Chenguang Zhu ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CACHING CONTENT ADDRESSABLE DATA CHUNKS FOR STORAGE VIRTUALIZATION" ("APPLICATION"), which:

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For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

	<u>Jan. 28, 2014</u>
Inventor's Signature	Date
Chenguang Zhu	朱晨光
Printed Name in English	Printed Name in Native Language (if other than English)

I Chun Ho Cheung ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CACHING CONTENT ADDRESSABLE DATA CHUNKS FOR STORAGE VIRTUALIZATION" ("APPLICATION"), which:

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<u>Chun Ho Cheung</u>	<u>1/28/2014</u>
Inventor's Signature	Date
<u>Chun Ho Cheung</u>	<u>張震河</u>
Printed Name in English	Printed Name in Native Language (if other than English)



I Jin Li ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CACHING CONTENT ADDRESSABLE DATA CHUNKS FOR STORAGE VIRTUALIZATION" ("APPLICATION"), which:

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	<u>Jan. 28, 2014</u>
Inventor's Signature	Date
<u>Jin Li</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

I Abhishek Gupta ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CACHING CONTENT ADDRESSABLE DATA CHUNKS FOR STORAGE VIRTUALIZATION" ("APPLICATION"), which:

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	<u>29<sup>th</sup> January 2014</u>
Inventor's Signature	Dates
<u>Abhishek Gupta</u>	
Printed Name in English	Printed Name in Native Language (if other than English)