

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4526398

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the EXECUTION DATE FOR STEVEN LI previously recorded on Reel 039706 Frame 0748. Assignor(s) hereby confirms the EXECUTION DATE FOR STEVEN LI SHOULD READ 09/02/2017.										
<b>CONVEYING PARTY DATA</b>											
	<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>DAVID SCOTT RETTERATH</td> <td>09/09/2016</td> </tr> <tr> <td>ZACKARIA ADEL ALI</td> <td>09/08/2016</td> </tr> <tr> <td>ARYE GITTELMAN</td> <td>09/12/2016</td> </tr> <tr> <td>STEVEN LI</td> <td>09/02/2016</td> </tr> </tbody> </table>	Name	Execution Date	DAVID SCOTT RETTERATH	09/09/2016	ZACKARIA ADEL ALI	09/08/2016	ARYE GITTELMAN	09/12/2016	STEVEN LI	09/02/2016
Name	Execution Date										
DAVID SCOTT RETTERATH	09/09/2016										
ZACKARIA ADEL ALI	09/08/2016										
ARYE GITTELMAN	09/12/2016										
STEVEN LI	09/02/2016										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	MICROSOFT TECHNOLOGY LICENSING, LLC										
<b>Street Address:</b>	ONE MICROSOFT WAY										
<b>City:</b>	REDMOND										
<b>State/Country:</b>	WASHINGTON										
<b>Postal Code:</b>	98052										
<b>PROPERTY NUMBERS Total: 1</b>											
	<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>15263298</td> </tr> </tbody> </table>	Property Type	Number	Application Number:	15263298						
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Application Number:	15263298										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(612)332-9081										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>											
<b>Phone:</b>	612-332-5300										
<b>Email:</b>	usdocket@microsoft.com										
<b>Correspondent Name:</b>	MERCHANT & GOULD (MICROSOFT)										
<b>Address Line 1:</b>	P.O. BOX 2903										
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402										
<b>ATTORNEY DOCKET NUMBER:</b>	14917.2945US01/360755.01										
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER J. LEONARD										
<b>SIGNATURE:</b>	/Christopher J. Leonard/										
<b>DATE SIGNED:</b>	07/28/2017										
<b>Total Attachments: 10</b>											

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**PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1  
Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID SCOTT RETTERATH	09/09/2016
ZACKARIA ADEL ALI	09/08/2016
ARYE GITTELMAN	09/12/2016
STEVEN LI	09/12/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROSOFT TECHNOLOGY LICENSING, LLC.
<b>Street Address:</b>	ONE MICROSOFT WAY
<b>City:</b>	REDMOND
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15263298

**PATENT**

**CORRESPONDENCE DATA**

Fax Number: (865)380-5970

Phone: 612-332-5300

Email: usdocket@microsoft.com

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

Correspondent Name: MERCHANT &amp; GOULD (MICROSOFT)

Address Line 1: P.O. BOX 2903

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903

**ATTORNEY DOCKET  
NUMBER:**

14917.2945US01/360755.01

**NAME OF SUBMITTER:**

CHRISTOPHER J. LEONARD

**Signature:**

/Christopher J. Leonard/

**Date:**

09/12/2016

**Total Attachments: 8**

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**RECEIPT INFORMATION**

EPAS ID: PAT4048429

Receipt Date: 09/12/2016

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PATENT ASSIGNMENT

I David Scott Retterath ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "BINARY EXPERIMENTATION ON RUNNING WEB SERVERS" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on September 12, 2016 and given Application No. 15/263,298 by the following Office US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;

was filed on \_\_\_\_\_ and was given Application No. \_\_\_\_\_ by the following Office "United States Patent and Trademark Office";

Microsoft Technology Licensing, LLC, a Washington limited liability company, 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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

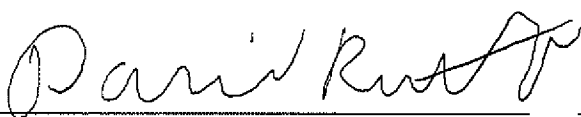
ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

Application No.	Filing Date	Office

PATENT ASSIGNMENT


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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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>9/9/2016</u>
Inventor's Signature	Date
<u>David Scott Retterath</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I Zackaria Adel Ali ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "BINARY EXPERIMENTATION ON RUNNING WEB SERVERS" ("APPLICATION"), which:

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 _____ Inventor's Signature	9/9/2016 _____ Date
Zackaria Adel Ali _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)



PATENT ASSIGNMENT

I Arye Gittelman ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "BINARY EXPERIMENTATION ON RUNNING WEB SERVERS" ("APPLICATION"), which:

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	9/12/2016
_____ Inventor's Signature	_____ Date
_____ Arye Gittelman	_____
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I Steven Li ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "BINARY EXPERIMENTATION ON RUNNING WEB SERVERS" ("APPLICATION"), which:

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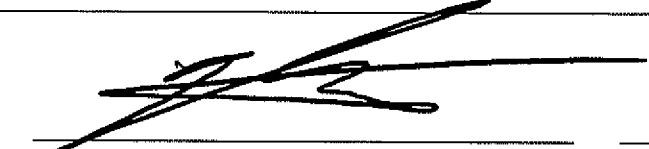
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	<u>9/2/2016</u>
Inventor's Signature	Date
<u>Steven Li</u>	
Printed Name in English	Printed Name in Native Language (if other than English)