

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3355695

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ASSIGNEE INCORRECTLY IDENTIFIED AS MICROSOFT CORPORATION ON ORIGINAL COVERSHEET INSTEAD OF MICROSOFT TECHNOLOGY LICENSING, LLC previously recorded on Reel 035087 Frame 0797. Assignor(s) hereby confirms the CONVEYANCE TEXT IN ORIGINAL ASSIGNMENT TO MICROSOFT TECHNOLOGY LICENSING, LLC..
<b>RESUBMIT DOCUMENT ID:</b>	503296844

## CONVEYING PARTY DATA

Name	Execution Date
ILYA GREBNOV	03/02/2015
SAMUEL BANINA	03/02/2015
CHARLES LAMANNA	03/02/2015
KEVIN LAM	02/27/2015

## RECEIVING PARTY DATA

<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

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14638357

## CORRESPONDENCE DATA

**Fax Number:** (816)421-5547

*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.*

**Phone:** 816-474-6550

**Email:** kbrunton@shb.com

**Correspondent Name:** SHOOK HARDY & BACON L.L.P.

**Address Line 1:** 2555 GRAND BOULEVARD

**Address Line 2:** INTELLECTUAL PROPERTY DEPARTMENT

**Address Line 4:** KANSAS CITY, MISSOURI 64108

<b>ATTORNEY DOCKET NUMBER:</b>	356258.02/MFCP.222190
<b>NAME OF SUBMITTER:</b>	DOUGLAS J KIM

<b>SIGNATURE:</b>	/DOUGLAS J. KIM/
<b>DATE SIGNED:</b>	05/15/2015
<b>Total Attachments: 9</b> source=Assignment-Combined-222190#page1.tif source=Assignment-Combined-222190#page2.tif source=Assignment-Combined-222190#page3.tif source=Assignment-Combined-222190#page4.tif source=Assignment-Combined-222190#page5.tif source=Assignment-Combined-222190#page6.tif source=Assignment-Combined-222190#page7.tif source=Assignment-Combined-222190#page8.tif source=Original Cover Sheet#page1.tif	

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3251552

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ILYA GREBNOV	03/02/2015
SAMUEL BANINA	03/02/2015
CHARLES LAMANNA	03/02/2015
KEVIN LAM	02/27/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROSOFT CORPORATION
<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>	14638357
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)421-5547
<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>	816-474-6550
<b>Email:</b>	kbrunton@shb.com
<b>Correspondent Name:</b>	SHOOK HARDY & BACON L.L.P.
<b>Address Line 1:</b>	2555 GRAND BOULEVARD
<b>Address Line 2:</b>	INTELLECTUAL PROPERTY DEPARTMENT
<b>Address Line 4:</b>	KANSAS CITY, MISSOURI 64108
<b>ATTORNEY DOCKET NUMBER:</b>	MFCP.222190
<b>NAME OF SUBMITTER:</b>	DOUGLAS J. KIM
<b>SIGNATURE:</b>	/DOUGLAS J. KIM/
<b>DATE SIGNED:</b>	03/04/2015
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 8</b>	

I ILYA GREBNOV ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled **FLOW FOR MULTI-MASTER REPLICATION IN DISTRIBUTED STORAGE** ("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 2015-03-04 and given Application No. 14638357 by the following Office \_\_\_\_\_) this APPLICATION's Application No., filing date, and Office, when known;

☐ was filed on \_\_\_\_\_ and was given Application No. \_\_\_\_\_ by the following Office "\_\_\_\_\_";

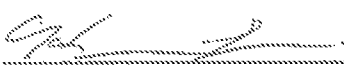
Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (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

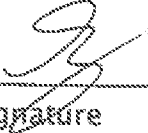
For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all 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>2/27/15</u>
Inventor's Signature	Date
KEVIN LAM	
Printed Name in English	Printed Name in Native Language (if other than English)

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).

 _____ Inventor's Signature	<u>3/2/2015</u> _____ Date
<u>ILYA GREBNOV</u> _____ Printed Name in English	<u>ИЛЯ ГРЕБНОВ</u> _____ Printed Name in Native Language (if other than English)

I SAMUEL BANINA ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled **FLOW FOR MULTI-MASTER REPLICATION IN DISTRIBUTED STORAGE** ("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 2015-03-04 and given Application No. 14638357 by the following Office ) this APPLICATION's Application No., filing date, and Office, when known;

☐ was filed on  and was given Application No.  by the following 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

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>Samuel Z. Banina</u>	<u>3/2/2015</u>
Inventor's Signature	Date
<u>SAMUEL BANINA</u>	<u></u>
Printed Name in English	Printed Name in Native Language (if other than English)



I CHARLES LAMANNA ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled **FLOW FOR MULTI-MASTER REPLICATION IN DISTRIBUTED STORAGE** ("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 2015-03-04 and given Application No. 14638357 by the following Office \_\_\_\_\_) this APPLICATION's Application No., filing date, and Office, when known;

☐ was filed on \_\_\_\_\_ and was given Application No. \_\_\_\_\_ by the following Office "\_\_\_\_\_";

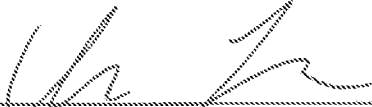
Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (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

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).

 _____ Inventor's Signature	<u>3/2/2015</u> _____ Date
<u>CHARLES LAMANNA</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I KEVIN LAM ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled **FLOW FOR MULTI-MASTER REPLICATION IN DISTRIBUTED STORAGE** ("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 2015-03-04 and given Application No. 14638357 by the following Office ) this APPLICATION's Application No., filing date, and Office, when known;

☐ was filed on  and was given Application No.  by the following 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