

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3796716

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the INVENTOR NAME FROM "PREETHA LAKSHMI SUBBARAYALU" TO "PREETHA LAKSHMI SUBBARAYALU" previously recorded on Reel 036100 Frame 0036. Assignor(s) hereby confirms the ASSIGNMENT.										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>MIHAIL GAVRIL TARTA</td><td>06/25/2015</td></tr><tr><td>GOPAL KAKIVAYA</td><td>06/25/2015</td></tr><tr><td>PREETHA LAKSHMI SUBBARAYALU</td><td>06/25/2015</td></tr></tbody></table>	Name	Execution Date	MIHAIL GAVRIL TARTA	06/25/2015	GOPAL KAKIVAYA	06/25/2015	PREETHA LAKSHMI SUBBARAYALU	06/25/2015			
Name	Execution Date										
MIHAIL GAVRIL TARTA	06/25/2015										
GOPAL KAKIVAYA	06/25/2015										
PREETHA LAKSHMI SUBBARAYALU	06/25/2015										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>MICROSOFT TECHNOLOGY LICENSING, LLC</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 TECHNOLOGY LICENSING, LLC	Street Address:	ONE MICROSOFT WAY	City:	REDMOND	State/Country:	WASHINGTON	Postal Code:	98052	
Name:	MICROSOFT TECHNOLOGY LICENSING, LLC										
Street Address:	ONE MICROSOFT WAY										
City:	REDMOND										
State/Country:	WASHINGTON										
Postal Code:	98052										
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>14752603</td></tr></tbody></table>	Property Type	Number	Application Number:	14752603							
Property Type	Number										
Application Number:	14752603										
CORRESPONDENCE DATA											
Fax Number:											
<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>											
Phone:	816-474-6550										
Email:	opertsovsky@shb.com										
Correspondent Name:	SHOOK, HARDY & BACON L.L.P.										
Address Line 1:	2555 GRAND BOULEVARD										
Address Line 4:	KANSAS CITY, MISSOURI 64108										
ATTORNEY DOCKET NUMBER:	357153.02/MFCP.229555										
NAME OF SUBMITTER:	GEORGE-LEONARD N. NGENGWE										
SIGNATURE:	/George-Leonard N. Ngengwe/										
DATE SIGNED:	03/23/2016										
Total Attachments: 7											
source=MFCP_229555_EXECUTED_NONPROVISIONAL_ASSIGNMENTS_WITH_COVER_SHEET#page1.tif											

source=MFCP_229555_EXECUTED_NONPROVISIONAL_ASSIGNMENTS_WITH_COVER_SHEET#page2.tif
source=MFCP_229555_EXECUTED_NONPROVISIONAL_ASSIGNMENTS_WITH_COVER_SHEET#page3.tif
source=MFCP_229555_EXECUTED_NONPROVISIONAL_ASSIGNMENTS_WITH_COVER_SHEET#page4.tif
source=MFCP_229555_EXECUTED_NONPROVISIONAL_ASSIGNMENTS_WITH_COVER_SHEET#page5.tif
source=MFCP_229555_EXECUTED_NONPROVISIONAL_ASSIGNMENTS_WITH_COVER_SHEET#page6.tif
source=MFCP_229555_EXECUTED_NONPROVISIONAL_ASSIGNMENTS_WITH_COVER_SHEET#page7.tif

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3440601

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MIHAIL GAVRIL TARTA	06/25/2015
GOPAL KAKIVAYA	06/25/2015
PREETHA LAKSHIMI SUBBARAYALU	06/25/2015
RECEIVING PARTY DATA	
Name:	MICROSOFT TECHNOLOGY LICENSING, LLC
Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14752603
CORRESPONDENCE DATA	
Fax Number:	(816)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>	
Phone:	816-474-6550
Email:	opertsovsky@shb.com
Correspondent Name:	SHOOK, HARDY & BACON L.L.P.
Address Line 1:	2555 GRAND BOULEVARD
Address Line 4:	KANSAS CITY, MISSOURI 64108
ATTORNEY DOCKET NUMBER:	357153.02/MFCP.229555
NAME OF SUBMITTER:	GEORGE-LEONARD N. NGENGWE
SIGNATURE:	/George-Leonard N. Ngengwe/
DATE SIGNED:	07/15/2015
Total Attachments: 6	
source=MFCP_229555_EXECUTED_ASSIGNMENTS#page1.tif	
source=MFCP_229555_EXECUTED_ASSIGNMENTS#page2.tif	
source=MFCP_229555_EXECUTED_ASSIGNMENTS#page3.tif	
source=MFCP_229555_EXECUTED_ASSIGNMENTS#page4.tif	

PATENT ASSIGNMENT

I, Mihail Gavril Tarta ("ASSIGNOR"), am an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "REPLICABLE DIFFERENTIAL STORE DATA STRUCTURE" ("APPLICATION"), which:

☒ will be filed. ASSIGNOR hereby authorizes and requests ASSIGNEE'S legal representatives, of Shook, Hardy & Bacon L.L.P., 2555 Grand Blvd., Kansas City, Missouri 64108, who are associated with Customer Number 45809 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on 6/26/2015 and given Application No. 14/752,603 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 "_____".

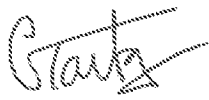
Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (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>6/25/2015</u>
Inventor's Signature	Date
<u>Mihail Gavril Tarta</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I, Gopal Kakivaya ("ASSIGNOR"), am an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "REPLICABLE DIFFERENTIAL STORE DATA STRUCTURE" ("APPLICATION"), which:

☒ will be filed. ASSIGNOR hereby authorizes and requests ASSIGNEE'S legal representatives, of Shook, Hardy & Bacon L.L.P., 2555 Grand Blvd., Kansas City, Missouri 64108, who are associated with Customer Number 45809 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on 6/26/2015 and given Application No. 14/752,603 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 "_____";

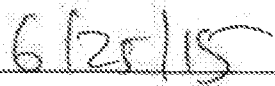
Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION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

<u><i>P. Preetha</i></u>	<u>06/25/2015</u>
Inventor's Signature	Date
<u>Preetha Lakshmi Subbaravalu</u>	
Printed Name in English	Printed Name in Native Language (if other than English)