## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4381203

		CORRECTIVE ASSIGNMENT		
SUBMISSION TYPE: NATURE OF CONVEYANCE:				
		Corrective Assignment to correct the INVENTOR JITENDRA KULSHRESHTA previously recorded on Reel 041849 Frame 0965. Assignor(s) hereby confirms the INVENTOR JITENDRA KULSHRESHT IS TO BE ADDED.		
CONVEYING PARTY D	ΑΤΑ			
		Name	Execution Date	
JITENDRA KULSHRESHTHA			03/31/2017	
AVON FERNANDES			03/31/2017	
RECEIVING PARTY DA	TA			
Name:	MICROSC	OFT TECHNOLOGY LICENSING, LLC		
Street Address:	ONE MICF	ROSOFT WAY		
City: REDMOND				
State/Country:	WASHING	ITON		
Postal Code:	98052			
PROPERTY NUMBERS	Total: 1			
Property Type		Number		
Application Number:	154	478972		
L		+/09/2		
<i>using a fax number, if</i> Email:	DATA be sent to th provided; if usc	<i>e e-mail address first; if that is unsucces</i> <i>that is unsuccessful, it will be sent via U</i> docket@microsoft.com	S Mail.	
Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Email: Correspondent Name:	DATA be sent to th provided; if uso SC	<i>e e-mail address first; if that is unsucces</i> <i>that is unsuccessful, it will be sent via U</i> docket@microsoft.com HWEGMAN LUNDBERG & WOESSNER, P	S Mail.	
Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Email:	DATA be sent to th provided; if uso SC P.C	<i>e e-mail address first; if that is unsucces</i> <i>that is unsuccessful, it will be sent via U</i> docket@microsoft.com	S Mail.	
Fax Number: Correspondence will b using a fax number, if Email: Correspondent Name: Address Line 1: Address Line 4:	DATA be sent to th provided; if uso SC P.C MII	<i>e e-mail address first; if that is unsuccess</i> <i>that is unsuccessful, it will be sent via U</i> docket@microsoft.com HWEGMAN LUNDBERG & WOESSNER, P D. BOX 2938	S Mail.	
Fax Number: Correspondence will b using a fax number, if Email: Correspondent Name: Address Line 1: Address Line 4:	DATA be sent to th provided; if uso SC P.C MII	e e-mail address first; if that is unsuccess that is unsuccessful, it will be sent via Us docket@microsoft.com HWEGMAN LUNDBERG & WOESSNER, P D. BOX 2938 NNEAPOLIS, MINNESOTA 55402	S Mail.	
Fax Number: Correspondence will b using a fax number, if Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NU NAME OF SUBMITTER:	DATA be sent to th provided; if uso SC P.C MII	e e-mail address first; if that is unsuccess that is unsuccessful, it will be sent via U docket@microsoft.com HWEGMAN LUNDBERG & WOESSNER, P D. BOX 2938 NNEAPOLIS, MINNESOTA 55402 401508-US-NP	S Mail.	
Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Email: Correspondent Name: Address Line 1:	DATA be sent to th provided; if uso SC P.C MII	e e-mail address first; if that is unsuccess that is unsuccessful, it will be sent via U docket@microsoft.com HWEGMAN LUNDBERG & WOESSNER, P D. BOX 2938 NNEAPOLIS, MINNESOTA 55402 401508-US-NP MEGAN L. REED	S Mail.	

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> PATENT REEL: 042318 FRAME: 0748

## **RECORDATION FORM COVER SHEET** PATENTS ONLY

401508 US ND (1777 040US 1) **.** . . D = f/D. **.** .

Atty Ref/Docket No.: 401508-US-NP (1777.040US1)	Patent and Trademark Office
To the Director of the U.S. Patent and Trademark Office: Ple         1. Name of conveying party(ies):         Jitendra Kulshreshtha, Avon Fernandes         Additional name(s) of conveying party(ies) attached?         []Yes [X]No         3. Nature of conveyance:         [] Assignment       [] Merger         [] Security Agreement[] Change of Name         [X] Other : Corrective Assignment to add inventor         Jitendra Kulshreshta at reel 041849 and frame 0965.         Execution Date: March 31, 2017, March 31, 2017	<ul> <li><u>ease record the attached original documents or copy thereof.</u></li> <li>2. Name and address of receiving party(ies):</li> <li>Name: Microsoft Technology Licensing, LLC</li> <li>Street Address: One Microsoft Way</li> <li>City: <u>Redmond</u> State: <u>WA</u> Zip: <u>98052</u></li> <li>Country: <u>United States of America</u></li> <li>Additional name(s) &amp; address(es) attached? []Yes</li> <li>[X]No</li> </ul>
<ul> <li>4. Application number(s) or patent number(s):</li> <li>4. Application number(s) or patent number(s):</li> <li>4. If this document is being filed together with a new application</li> <li>A. Patent Application No.(s)</li> <li>Serial No. 15/478,972</li> <li>Additional numbers attached? []Yes [X]No</li> </ul>	on, the execution date of the application is: B. Patent No.(s)
<ul> <li>5. Name and address of party to whom correspondence concerning document should be mailed:</li> <li>Name: <u>Gregory S. Rabin</u></li> <li>Address: <ul> <li>Schwegman Lundberg &amp; Woessner, P.A.</li> <li>P.O. Box 2938</li> <li>Minneapolis, MN 554020938</li> </ul> </li> </ul>	<ul> <li>6. Total number of applications and patents involved: 1</li> <li>7. Total fee (37 CFR 3.41):\$ 0.00 <ul> <li>[]Enclosed</li> <li>[]Authorized to be charged to deposit account 19-0743</li> </ul> </li> <li>8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743</li> </ul>
Name: <u>Gregory S. Rabin</u> Address: Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Minneapolis, MN 554020938	<ul> <li>7. Total fee (37 CFR 3.41):\$ <u>0.00</u> <ul> <li>[]Enclosed</li> <li>[]Authorized to be charged to deposit account 19-0743</li> </ul> </li> <li>8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743</li> </ul>
Name: <u>Gregory S. Rabin</u> Address: Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Minneapolis, MN 554020938 <b>DO NOT USE</b> 9. Statement and signature.	<ul> <li>7. Total fee (37 CFR 3.41):\$ 0.00</li> <li>[]Enclosed</li> <li>[]Authorized to be charged to deposit account 19-0743</li> <li>8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743</li> <li>E THIS SPACE</li> </ul>
Name: <u>Gregory S. Rabin</u> Address: Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Minneapolis, MN 554020938 DO NOT USE 9. Statement and signature. To the best of my knowledge and belief, the foregoing inform	<ul> <li>7. Total fee (37 CFR 3.41):\$ <u>0.00</u> <ul> <li>[]Enclosed</li> <li>[]Authorized to be charged to deposit account 19-0743</li> </ul> </li> <li>8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743</li> </ul>

Total number of pages including cover sheet:  $\underline{6}$ 

Mail documents to be recorded with required cover sheet information to: **Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services** P.O. Box 1450 Alexandria, VA 22313-1450

> PATENT REEL: 042318 FRAME: 0749

I Jitendra Kulshreshtha ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SYNTHESIZING DATA SOURCES", 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 \_\_\_\_\_\_ and given Application No. \_\_\_\_\_\_ 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 "\_\_\_\_\_ Patent 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
		Maria and Andreas

Page 1 of 2

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).

Oiter	03 31 12017
Inventor's Signature	Date
Jitendra Kulshreshtha	
Printed Name in English	Printed Name in Native Language
	(if other than English)

## PATENT REEL: 042318 FRAME: 0751

I Avon Fernandes ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>SYNTHESIZING DATA SOURCES</u>", 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 \_\_\_\_\_\_\_ and given Application No. \_\_\_\_\_\_\_ 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 "\_\_\_\_\_ Patent 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).

Ann ferwandes Inventor's Signature	<u>March 31, 2017</u> Date
Avon Fernandes	
Printed Name in English	Printed Name in Native Language
	(if other than English)

**RECORDED: 04/24/2017**