503741413 03/17/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3788056

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PATRICK J BAUMGARTNER	06/26/2015
PEDRAM FAGHIHI REZAEI	06/25/2015
MATTHEW J. LONGLEY	06/24/2015
SACHIN PATNEY	06/26/2015

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:	14752722

CORRESPONDENCE DATA

Fax Number: (509)944-4692

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: 509-324-9256

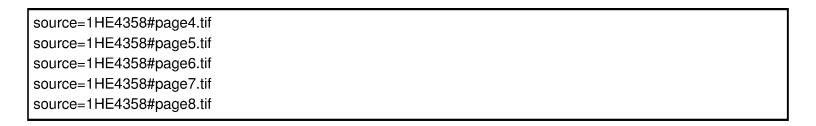
Email: friedac@leehayes.com LEE & HAYES, PLLC **Correspondent Name:**

601 W. RIVERSIDE AVE, SUITE 1400 Address Line 1: Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	MS1-6208US
NAME OF SUBMITTER:	FRIEDA H. CRAMER
SIGNATURE:	/Frieda H. Cramer/
DATE SIGNED:	03/17/2016

Total Attachments: 8 source=1HE4358#page1.tif source=1HE4358#page2.tif source=1HE4358#page3.tif

> **PATENT** REEL: 038012 FRAME: 0258 503741413



PATENT REEL: 038012 FRAME: 0259

PATENT ASSIGNMENT	MS Docket	No.: 357225.01
	Attorney Docket	No.: MS1- 6208US
or an original joint inventor of sul a patent application entitled		
"APPLICATION"), which:		
ASSIGNEE'S legal re LLC., One Microsoft LEGAL REPRESENT/ on <u>06/26/2015</u> the following Office	SSIGNOR hereby authoricepresentative, Microsoft Toway, Redmond, Washington Note there in the control of the con	echnology Licensing, in 98052 (ASSIGNEE'S in parentheses (filed lo. <u>14/752,722</u> by ind Trademark Office)
was filed on	and was given Ap	plication
	by the following Office <u>L</u>	
Microsoft Technology Lice behalf of itself and its successors of acquiring, the entire and exc priority, in the INVENTION and th derived therefrom, such as cont United States, its territories, and	and assigns ("ASSIGNEE"), i lusive rights, title and into ne APPLICATION (and all ot inuing applications, in who	erest, including the right of her applications and patents ale or in part, in and for the
ASSIGNOR hereby authorize to insert the Application No., fit APPLICATION DERIVATIVES after	ling date, and Office into	E'S LEGAL REPRESENTATIVES the following table for any
		Office

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).

to the second of	53.
CABA-	6/26/15
nventor's Signature	Date
Patrick J Baumgartner	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT AS	SIGNMENT	MS Docke	et No.:	357225.01
		Attorney Docke	et No.:	MS1- 6208US
or an original	joint inventor of su ication entitled	Rezaei ("ASSIGN bject matter ("INVENTION" NFIGURATION OF DATA VISL) disclo	sed and/or claimed in
("APPLICATIO	N"), which:		······	
	ASSIGNEE'S legal r LLC., One Microsoft LEGAL REPRESENTA on06/26/2015 the following Office	ASSIGNOR hereby author epresentative, Microsoft in Way, Redmond, Washingth ATIVES), to insert here and given Application in US — United States Patent in Application in No., filing in No.	Technol on 980 in pare No. <u>14</u> and Tra	logy Licensing, S2 (ASSIGNEE'S entheses (filed M752,722 by Idemark Office)
		and was given A by the following Office ark Office:		
behalf of itse of acquiring, priority, in the derived there	olf and its successors the entire and exc ne INVENTION and the efrom, such as cont	ensing, LLC, a Washington and assigns ("ASSIGNEE") dusive rights, title and in ne APPLICATION (and all o inuing applications, in wh all foreign countries ("API	, is entit terest, ther ap iole or i	led to, and is desirous including the right of plications and patents in part, in and for the
to insert the	•	zes, and requests, ASSIGN ling date, and Office into they are known;		
Application		Filing Date	Office	
			1	
			 	

Page 1 of 2

MS Docket No.: 357225.01

Attorney Docket No.: MS1-6208US

- 3	aariga ka		
3			
3		<u> </u>	
3			
3		i	
3			
3		l'	}

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).

Mventor's Signature

Pedram Faghihi Rezael

Printed Name in English

Date

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT		MS Dooks	e Nia •	357225.01
TATION CANDIDININGS				MS1- 6208US
				n the original inventor
or an original joint inventor a patent application entitle		itter ("INVENTION")	disclo	sed and/or claimed in
		TION OF DATA VISU	ALIZATI	ons
("APPLICATION"), which:				
ASSIGNEE'S lo LLC., One Mic LEGAL REPRE on <u>06/26/20</u> the following	egal represent crosoft Way, Re ESENTATIVES), 115 and a Office <u>US – Un</u>	R hereby author ative, Microsoft Tadmond, Washington to insert here in given Application Nation No., filing date	Technol on 980 in pare No. <u>14</u> and Tra	logy Licensing, 52 (ASSIGNEE'S entheses (filed M752,722 by Idemark Office)
No		_and was given Aperon A		
Microsoft Technolog behalf of itself and its succe of acquiring, the entire ar priority, in the INVENTION derived therefrom, such as United States, its territories	essors and ass nd exclusive ri and the APPLI s continuing a	igns ("ASSIGNEE"), ghts, title and int CATION (and all ot pplications, in who	is entit erest, i her app ole or i	including the right of plications and patents n part, in and for the
				GAL REPRESENTATIVES
to insert the Application I APPLICATION DERIVATIVES			the fo	illowing table for any
Application No.	Filing D		Office	

Page 1 of 2

- 1		
	 ***************************************	***************************************
-		
- 1		
- 1		i i

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).

••••	Mach 1-4/4	6/24/15
	Inventor's Signature	Date
	Matthew J. Longley	
	Printed Name in English	Printed Name in Native Language (if other than English)

APPLICATION DERIVATIVES after they are known;

Application No. Filing Date Office

Application No.	Filing Date	Office	

 ****	•••••																					

		 	****		 	 	 					 	 	*****								****
		 	****		 	 	 					 	 	*****	 *****							***
		 	****		 	 	 					 	 	*****	 *****							••••
		 	****		 	 	 					 	 	*****	 *****						•••••	
														****							•••••	

											••••										v	
											••••											
											••••		 ****									
											••••		 •									
										•••			****	****								

		***		***	 																	
		***		***	 																	

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 its gation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

Sachin Pamay

Printed Name in English

Ouce 26th 2015

Date

Printed Name in Native Language

(if other than English)