06/29/2015 503371939

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3418561

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT JOHN JENKINS JR.	06/29/2015
PARIKSHIT S GOPALAN	06/24/2015
CHENG HUANG	06/26/2015
EDMUND BERNARD NIGHTINGALE	06/26/2015
ALEXANDER SHAMIS	06/25/2015
SERGEY YEKHANIN	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:	14754316

CORRESPONDENCE DATA

Fax Number: (509)323-8979

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.

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

601 W. RIVERSIDE AVENUE Address Line 1:

Address Line 2: **SUITE 1400**

Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER: MS1-6197US	
NAME OF SUBMITTER:	ALEXIS COLLINS
SIGNATURE:	/Alexis Collins/
DATE SIGNED:	06/29/2015

PATENT REEL: 035998 FRAME: 0735 503371939

Fotal Attachments: 12
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PATENT REEL: 035998 FRAME: 0736

PATENT ASSIGNMENT				357101.01
		Attorney Docket	:No.:	MS1- 6197US
§	Robert John Jenki	ns, Jr("ASSIGNC)R") an	n the original inventor
		oject matter ("INVENTION")		
	lication entitled			
		N A GROUP OF STORAGE UN CHARACTERISTICS	ITS BA	SED ON CONNECTION
("APPLICATIO)N"), which:			
\S	ASSIGNEE'S legal re LLC., One Microsoft LEGAL REPRESENT/ on June 29, 2015 the following Office	SSIGNOR hereby author epresentative, Microsoft T Way, Redmond, Washingto STIVES), to insert here is and given Application No., filing displayments of the polication No., filing displayments of the	echno on 980 n par No. <u>14</u> and Tr	logy Licensing, 052 (ASSIGNEE'S rentheses (filed 0754,316 by ademark Office)
		and was given Ap by the following Office <u>\</u> ark Office:		
behalf of its of acquiring priority, in t derived the United State ASSIC to insert th	elf and its successors	ensing, LLC, a Washington and assigns ("ASSIGNEE"), dusive rights, title and into the APPLICATION (and all of inuing applications, in who all foreign countries ("APP zes, and requests, ASSIGNI they are known:	is enti erest, ther ap ole or 'LICAT EE'S LE	tled to, and is desirous including the right of oplications and patents in part, in and for the ION DERIVATIVES"));
Application		Filing Date	Offic	<u></u>
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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

Robert John Jenkins, Jr.

6/29/2015

Printed Name in English

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT		MS Doci	cet No.:	357101.01	
			Attorney Doci	cet No.:	MS1- 6197US
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("APPLICATIO)N"), which:				
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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"));

Printed Name in English	Printed Name in Native Language	
Parikshit S Gopalan		
Inventor's Signature	Daté ′	
Parikat	6/24/2015	**********

Application No.	Filing Date	Office

MS Docket No.: 357101.01

Attorney Docket No.: MS1-6197US

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1	0.6.26.2015
Inventor's Signature	Date
Cheng Huang	黄诚
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT		MS Docket	: No.:	357101.01
		Attorney Docket	No.:	MS1- 6197US
or an original joint i a patent application	OF DATA WITHIN A GROU	ter ("INVENTION")	disclo	sed and/or claimed in
("APPLICATION"), wh	nich:			
ASSIGI LLC., (LEGAL on <u>Ju</u> the fo	ne filed. ASSIGNOR NEE'S legal representa One Microsoft Way, Red REPRESENTATIVES), ne 29, 2015 and gi llowing Office US – Unit PPLICATION's Applicat	tive, Microsoft To Imond, Washingto to insert here in Iven Application N ed States Patent a	echnol in 980! n pare lo. <u>14/</u> nd Tra	ogy Licensing, 52 (ASSIGNEE'S entheses (filed 754,316 by demark Office)
was fil	led on	and was given An	plicati	on
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behalf of itself and i of acquiring, the el priority, in the INVE derived therefrom, United States, its te	chnology Licensing, LL ts successors and assigntire and exclusive rig NTION and the APPLICA such as continuing apprinteries, and all foreigns	ins ("ASSIGNEE"), i hts, title and inte ATION (and all oth plications, in who n countries ("APPL	s entit erest, i ner app le or i lCATIO	led to, and is desirous neluding the right of plications and patents n part, in and for the DN DERIVATIVES"));
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Page 1 of 2

PATENT ASSIGNMENT	et No.: ^{357101.01} et No.: MS1-6197US

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"));

12/19/45-	
Inventor's Signature	Date
Edmund Bernard Nightingale	
Printed Name in English	Printed Name in Native Language
	(if other than English)

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	

MS Docket No.: 357101.01

Attorney Docket No.: MS1-6197US

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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"));

AAA	25th June 2015
Inventor's Signature	Date
Alexander Shamis	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT AS	SSIGNMENT		MS Dock	et No.:	357101.01
			Attorney Dock	et No.:	MS1- 6197US
	Sergey Yekh	anin	("ASSIGN	OR") an	n the original inventor
a patent app	l joint inventor of su lication entitled	ubject matt	er ("INVENTION"	") disclo	sed and/or claimed in
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("APPLICATIO)N"), which:				
	will be filed. ASSIGNEE'S legal r LLC., One Microsof LEGAL REPRESENT on June 29, 2015 the following Office this APPLICATION's known;	representat ft Way, Redi 「ATIVES), ti and giv e <u>US – Units</u>	tive, Microsoft [*] mond, Washingt o insert here ven Application ed States Patent	Technolion 980! in pare No. <u>14/</u> and Tra	ogy Licensing, 52 (ASSIGNEE'S entheses (filed 754,316 by demark Office)
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MS Docket No.: 357101.01

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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"));

	June 25, 2015
Inventor's Signature	Date
Sergey Yekhanin	CEPTER EXAMUN
Printed Name in English	Printed Name in Native Language
	(if other than English)