504998401 07/11/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5045149

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHANDAN R. REDDY	03/08/2018
ASHOK CHANDRASEKARAN	03/08/2018
VYOM P. MUNSHI	03/08/2018
KAHREN TEVOSYAN	03/08/2018
CHUANG WANG	03/08/2018
BRIAN S. LOUNSBERRY	03/08/2018
CHETAN S. SHANKAR	03/08/2018
PAVEL ZAKHAROV	03/08/2018
MARK EUGENE RUSSINOVICH	03/08/2018
ABHISHEK PRATAP SINGH CHAUHAN	03/13/2018

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC	
Street Address:	treet Address: ONE MICROSOFT WAY	
City:	REDMOND	
State/Country: WASHINGTON		
Postal Code:	98052	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15920832

CORRESPONDENCE DATA

Fax Number: (206)344-3113

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: nhensley@shb.com

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

Address Line 1: 2555 GRAND BLVD.

Address Line 4: KANSAS CITY, MISSOURI 64108

ATTORNEY DOCKET NUMBER: 403741-US-NP/MFCP.289065

PATENT REEL: 046318 FRAME: 0881

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NAME OF SUBMITTER:	NATHAN D. HENSLEY			
SIGNATURE:	/Nathan D. Hensley/			
DATE SIGNED:	07/11/2018			
Total Attachments: 20				
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PATENT REEL: 046318 FRAME: 0882

I <u>Chan</u>	<u>ıdan R. R</u>	<u>EDDY</u> ("	'ASSIGNOR'	') am	the origi	nal inven	tor or a	n ori	gina	al joint
inventor of	subject	matter	("INVENTIO	ON")	disclosed	l and/or	claime	d in	a	patent
application	entitled	" <u>AUTC</u>	<u>NOMOUS</u>	SEC	RETS R	ENEWAL	AND	DIST	RIB	<u>UTION</u> "
("APPLICATIO	N"), whicl	h:								

X	will	be	filed.	ASSIGNOR	hereby	authorizes,	and	requests,
	ASSI	GNE	E'S legal	representat	ive, Shool	k, Hardy & Ba	con L.	L.P., 2555
	Grar	nd Bl	vd., Kan	sas City, Mis	souri 641	108-2613 (AS	SIGNE	E'S LEGAL
	REP	RESEI	NTATIVE	S), to insert	here in pa	rentheses (fil	ed on	March 14,
	<u>201</u>	<u>8</u> and	d given A	Application N	No. <u>15/92</u>	<u>0,832</u> by the	follow	ving Office
	<u>US -</u>	Unit	ted State	s Patent and	Tradema	<u>rk Office</u>) this	APPL	ICATION's
	App	licati	on No.,	filing date, a	ınd Office	, when know	1;	
	was	filed	on		and was g	given Applica	tion N	0
	by tl	he fo	llowing	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

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Chaf	3/2/2012
Inventor's Signature	Date
Chandan R. REDDY	
Printed Name in English	Printed Name in Native Language
	(if other than English)

joint invento	or of subject matte entitled " <u>AUTON</u>	er ("INVENTION") disclose	original inventor or an original d and/or claimed in a patent EWAL AND DISTRIBUTION."
	ASSIGNEE'S legal regard Grand Blvd., Kansa REPRESENTATIVES on March 14, 2018 the following Office	ASSIGNOR hereby auth representative, Shook, Har as City, Missouri 64108–2), to insert here ir and given Application to US – United States Paten 's Application No., filing	dy & Bacon L.L.P., 2555 613 (ASSIGNEE'S LEGAL n parentheses (filed n No. <u>15/920,832</u> by t and Trademark Office)
	No	and was given / by the following Office ";	
behalf of itse of acquiring, priority, in th derived there	If and its successor the entire and ex e INVENTION and t from, such as con	s and assigns ("ASSIGNEE") clusive rights, title and ir he APPLICATION (and all c tinuing applications, in wh	n limited liability company, on , is entitled to, and is desirous sterest, including the right of other applications and patents nole or in part, in and for the PLICATION DERIVATIVES"));
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July	3/8/2018
Inventor's Signature	Date
Ashok CHANDRASEKARAN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Vyom P. MUNSHI ("ASSIGNOR") am the original inventor or an original joint

inventor of	subject ma	tter ("INVENTIC	ON") disclo	sed and/or	claime	d in a	patent
application	entitled " <u>A</u>	AUTONOMOUS	SECRETS	RENEWAL	AND	DISTRIB	UTION"
("APPLICATIO	N"), which:						
\boxtimes	will be file	ed. ASSIGNO	R hereby	authorizes,	and	requests	,
	ASSIGNEE'S	legal represent	ative, Shool	k, Hardy & Ba	con L.L	.P., 2555	5
	Grand Blvd.,	Kansas City, M	lissouri 641	08-2613 (AS	SSIGNEE	'S LEGAI	_
	REPRESENTA	ATIVES), to inser	t here in pa	rentheses (fi	led on <u>N</u>	<u> 14 / Iarch</u>	1
	<u>2018</u> and gi	ven Applicatior	No. <u>15/92</u>	<u>0,832</u> by the	followi	ng Office	2
	US – United	States Patent ar	<u>nd Tradema</u>	<u>rk Office</u>) thi	s APPLIC	CATION'S	5
	Application	No., filing date	, and Office	, when know	n;		
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	by the follow	wing 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

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Alvi	3/8/2018
Inventor's Signature	Date
Vyom P. MUNSHI	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Kahren TEVOSYAN ("ASSIGNOR") am the original inventor or an original joint

inventor of	subject matter	("INVENTIC	N") disclo	sed and/or	claime	ed in	a patent
application	entitled " <u>AUT</u>	ONOMOUS	SECRETS	RENEWAL	AND	DISTR	<u>IBUTION</u> "
("APPLICATIO	N"), which:						
\boxtimes	will be filed.	ASSIGNO	R hereby	authorizes,	and	reques	ts,
	ASSIGNEE'S lega	al representa	itive, Shool	κ, Hardy & Βa	.con L.L	P., 25	55
	Grand Blvd., Ka	nsas City, M	issouri 641	08-2613 (A	SSIGNEE	S LEG	AL
	REPRESENTATIV	ES), to insert	t here in pa	rentheses (fi	led on <u>N</u>	March 1	<u>4,</u>
	2018 and given	Application	No. <u>15/92</u>	<u>0,832</u> by the	followi	ng Offi	ce
	US – United Stat	tes Patent an	d Tradema	rk Office) thi	s APPLIC	CATION	l's
	Application No.	, filing date,	and Office	, when know	n;		
	was filed on		_ and was g	given Applica	tion No)	
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Application No.	Filing Date	Office

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Kahren Tworson	03/08/2018
Inventor's Signature	Date
Kahren TEVOSYAN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Chuang WANG</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>AUTONOMOUS SECRETS RENEWAL AND DISTRIBUTION</u>" ("APPLICATION"), which:

X	will	be	filed.	ASSIGNOR	hereby	authorizes,	and	requests,
	ASSI	GNEI	E'S legal	representati	ive, Shool	κ, Hardy & Ba	con L.	L.P., 2555
	Grar	ıd Bl	vd., Kan	sas City, Mis	souri 641	08-2613 (AS	SIGNE	E'S LEGAL
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	was	filed	on		and was g	given Applica	tion N	О
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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"));

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Application No.	Filing Date	Office

Mugh Many	3/8/2018
loventor's Signature	Date
Chuang WANG	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Brian</u>	S. LOUN	<u>SBERRY</u>	("ASSIGNOF	m R") am the $ m I$	original inver	ntor or a	n ori	ginal joir	١t
inventor of	subject	matter	("INVENTIC	N") disclo	sed and/or	claime	d in	a pater	١t
application	entitled	" <u>AUTC</u>	<u>NOMOUS</u>	SECRETS	RENEWAL	AND	DIST	<u>RIBUTION</u>	<u>1</u> "
("APPLICATIO	N"), whic	:h:							

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	ASSI	GNEI	E'S legal	representati	ve, Shool	κ, Hardy & Ba	con L.	L.P., 2555
	Grar	ıd Bl	vd., Kans	sas City, Mis	souri 641	08-2613 (AS	SIGNE	E'S LEGAL
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Inventor's Signature	3/8/2018 Date
Brian S. LOUNSBERRY	
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>Chet</u>	<u>an S. SHA</u>	<u> ANKAR</u> ("ASSIGNOR"	") am the o	original inver	itor or a	n orig	ginal joint
inventor of	subject	matter	("INVENTIC	N") disclo	sed and/or	claimed	l in	a patent
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Inventor's Signature	Date
Chetan S. SHANKAR	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Pave	<u>el ZAKHAROV</u> ("ASS	IGNOR") am the original	inventor or an original joint
inventor of	subject matter ("	INVENTION") disclosed a	nd/or claimed in a patent
application	entitled "AUTON	<u>OMOUS SECRETS RENE</u>	WAL AND DISTRIBUTION."
("APPLICATIO)N"), which:		
\boxtimes		ASSIGNOR hereby author	
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		is City, Missouri 64108–26	
	REPRESENTATIVES)		•
		and given Application	*
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	this APPLICATION'	s Application No., filing o	late, and Office, when
	known;		
	was filed on	and was given A	Application
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	3 j	D ,	
Micro	soft Technology Lice	ensing, LLC, a Washington	limited liability company, on
behalf of itse	elf and its successor	s and assigns ("ASSIGNEE"),	, is entitled to, and is desirous
of acquiring	, the entire and ex-	clusive rights, title and in	terest, including the right of
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4 nv entor's Signature	Date
Pavel ZAKHAROV	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Mark</u>	<u> Eugene R</u>	<u>USSINOVICH</u> ("ASS	IGNOR") am	ı the origina	l invent	or or an original
joint invento	or of subje	ect matter ("INVEN	ITION") dis	closed and/	or clair	ned in a patent
application	entitled	"AUTONOMOUS	SECRETS	RENEWAL	AND	DISTRIBUTION"
("APPLICATIO	N"), which	n:				

\boxtimes	will	be	filed.	ASSIGNOR	hereby	authorizes,	and	requests,
	ASSI	GNE	E'S legal	representat	ive, Shool	k, Hardy & Ba	con L	.L.P., 2555
	Grar	ıd Bl	vd., Kan	sas City, Mis	souri 641	108-2613 (AS	SIGN	E'S LEGAL
	REPF	RESEI	NTATIVE	S), to insert	here in pa	rentheses (fil	ed on	March 14,
	<u>2018</u>	<u>8</u> and	d given A	Application N	No. <u>15/92</u>	<u>0,832</u> by the	follov	ving Office
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	App	licati	on No.,	filing date, a	ınd Office	, when knowi	n;	
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Application No.	Filing Date	Office

m/ En.1/2-1	3/8//8
Inventor's Signature	Date
Mark Eugene RUSSINOVICH	
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>Abhishek Pratap Singh</u> original joint inventor of subject patent application entitled " <u>AL</u> ("APPLICATION"), which:	t matter ("INVENTION") d	
ASSIGNEE'S legal re Grand Blvd., Kansa REPRESENTATIVES) on <u>March 14, 2018</u> the following Office	ASSIGNOR hereby authorepresentative, Shook, Hardes Scity, Missouri 64108–26, to insert here in and given Application by US – United States Patent s Application No., filing of	ly & Bacon L.L.P., 2555 613 (ASSIGNEE'S LEGAL parentheses (filed No. 15/920,832 by and Trademark Office)
	and was given A by the following Office ";	application
Microsoft Technology Lice behalf of itself and its successors of acquiring, the entire and exc priority, in the INVENTION and the derived therefrom, such as cont United States, its territories, and	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o cinuing applications, in wh	terest, including the right of ther applications and patents tole or in part, in and for the
ASSIGNOR hereby authori to insert the Application No., f APPLICATION DERIVATIVES after	iling date, and Office into	EE'S LEGAL REPRESENTATIVES the following table for any
Application No.	Filing Date	Office
	y =	-

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).

Shauban.	March 13, 2018
Inventor's Signature	Date
Abhishek Pratap Singh CHAUHAN Printed Name in English	Printed Name in Native Language
	(if other than English)

Page 2 of 2