PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7409706

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNOR DOC DATE AND ASSIGNEE ADDRESS previously recorded on Reel 053600 Frame 0140. Assignor(s) hereby confirms the ASSIGNOR DOC DATE: APRIL 18, 2020 AND ASSIGNEE ADDRESS:5600 148TH AVENUE NE, (INTERNAL ADDRESS: REDWEST-C), REDMOND, WA 98052.	
RESUBMIT DOCUMENT ID:	507231130	

CONVEYING PARTY DATA

Name	Execution Date
PARANTHAMAN SARAVANAN	04/20/2020
MARC ANDREW POWER	08/25/2020
YANG ZHANG	04/17/2020
MATTHIAS ADAM LEIBMANN	04/13/2020
GRIGORY V. KAPLIN	04/13/2020
YI ZENG	04/18/2020

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC	
Street Address: 5600 148TH AVENUE NE		
Internal Address:	ternal Address: REDWEST-C	
City: REDMOND		
State/Country: WASHINGTON		
Postal Code:	98052	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16851286

CORRESPONDENCE DATA

Fax Number:

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:
 952-467-6088

 Email:
 drud@khcip.com

Correspondent Name: MICROSOFT CORPORATION Address Line 1: 5600 148TH AVAENUE NE

Address Line 2: REDWEST-C

Address Line 4: REDMOND, WASHINGTON 98052

PATENT REEL: 060400 FRAME: 0866

507362783

ATTORNEY DOCKET NUMBER:	408196-US-NP
NAME OF SUBMITTER:	DAWN C. RUD
SIGNATURE:	/Dawn C. Rud/
DATE SIGNED:	06/30/2022

Total Attachments: 16

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> PATENT REEL: 060400 FRAME: 0867

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PARANTHAMAN SARAVANAN	04/20/2020
MARC ANDREW POWER	08/25/2020
YANG ZHANG	04/17/2020
MATTHIAS ADAM LEIBMANN	04/13/2020
GRIGORY V. KAPLIN	04/13/2020
YI ZENG	04/17/2020

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

Commence	Property Type	Number
	Application Number:	16851286

CORRESPONDENCE DATA

Fax Number: (425)401-5199 Phone: 2065698198

inail: jim@liangip.com

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.

Correspondent Name:

CHEN LIANG

Address Line 1:

1750 H2TH AVENE, SUITE D-152

Address Line 4: BELLEVUE, WASHINGTON 98004

ATTORNEY DOCKET NUMBER:	408196-US-NP
NAME OF SUBMITTER:	CHEN LIANG
Signature:	/Chen Liang/

08/26/2020 Date: Total Attachments: 12 source=408196-US-NP Assignment Signed#page1.tif source=408196-US-NP Assignment Signed#page2.tif source=408196-US-NP Assignment Signed#page3.tif source=408196-US-NP Assignment Signed#page4.tif source=408196-US-NP Assignment Signed#page5.til source=408196-US-NP Assignment Signed#page6.tif source=408196-US-NP Assignment Signed#page7.tif source=408196-US-NP Assignment Signed#page8.tif source=408196-US-NP Assignment Signed#page9.tif source=408196-US-NP Assignment Signed#page10.tif source=408196-US-NP Assignment Signed#page11.tif source=408196-US-NP Assignment Signed#page12.tif RECEIPT INFORMATION PAT6268114 EPAS ID: 08/26/2020 Receipt Date:

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			MS Docket No.: 408196-US-N	4P
ا Para	nthaman Saravanan	("AS")	SIGNOR") am the original inver	ntor
			TION") disclosed and/or claim	
in a patent a	pplication entitled "	KEYLESS AUTHENTICATIO	N SCHEME OF COMPUTING SERVICE	<u>S"</u>
("APPLICATIO	IN"), which:			
	will be filed.	ASSIGNOR hereby a	authorizes, and requests,	
	ASSIGNEE'S legal r	epresentative, Micro	soft Technology Licensing,	
	LLC., One Microsof	t Way, Redmond, Was	hington 98052 (ASSIGNEE'S	
	LEGAL REPRESENT	ATIVES), to insert I	nere in parentheses (filed	
	on	and given Applica	ation Noby	
	the following Office	US - United States Pr	atent and Trademark Office)	
	this APPLICATION'	s Application No., fil	ing date, and Office, when	
	known;			
18	was filed on April	7, 2020 and wa	s given Application	
	No 16851286		by the	
	following Office "	ISPTO	M _X	
Micro	soft Technology Lic	ensing, LLC, a Washii	ngton limited liability compan	y, on
behalf of its	elf and its successor	s and assigns ("ASSIC	NEE"), is entitled to, and is des	irous
	ANN V		nd interest, including the rig	
			I all other applications and pa	
			in whole or in part, in and fo	
United State	s, its territories, and	l all foreign countries	("APPLICATION DERIVATIVES"	"));
	N V D	is a second		
			SSIGNEE'S LEGAL REPRESENTA	
			te into the following table fo	rany
	N DERIVATIVES after		loce	
Application	1 NO.	Filing Date	Office	
				

MS Docket No.: 408196-US-NP

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).

O. No. 2020

Onte Inventor's Signature

Paranthaman Saravanan

Printed Name in English

(If other than English)

			MS Docket No.: 408196-US-NP
Marc	: Andrew Power	("A	SSIGNOR") am the original inventor
~	al joint inventor of application entitled	subject matter ("INVEN	NTION") disclosed and/or claimed ON SCHEME OF COMPUTING SERVICES "
	ASSIGNEE'S legal LLC., One Microso LEGAL REPRESEN on the following Offi	representative, Micro oft Way, Redmond, Wa ITATIVES), to insert and given Applic ce US – United States I	authorizes, and requests, osoft Technology Licensing, shington 98052 (ASSIGNEE'S here in parentheses (filed cation Noby Patent and Trademark Office) iling date, and Office, when
S		117, 2020 and w	
behalf of its of acquiring priority, in to derived the United State ASSIG to insert the	elf and its successors, the entire and eithe INVENTION and refrom, such as coes, its territories, and GNOR hereby authories Application No.,	ors and assigns ("ASSIC exclusive rights, title I the APPLICATION (an intinuing applications and all foreign countrie prizes, and requests, A	ington limited liability company, on GNEE"), is entitled to, and is desirous and interest, including the right of all other applications and patents, in whole or in part, in and for the is ("APPLICATION DERIVATIVES")): ASSIGNEE'S LEGAL REPRESENTATIVES in the into the following table for any
Application		Filing Date	Office
3 <u>25 25 25 25 25 25</u>			
3		1	3

Page 1 of 2

PATENT REEL: 060400 FRAME: 0872

MS Docket No.: 408196-US-NP

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).

Mare A Power 8/25/2020
Inventor's Signature Date

Marc Andrew Power

Printed Name in English

Printed Name in Native Language (if other than English)

		MS	Docket No.: 408196-US-NP
Yang	g Zhang	("ASSIGNO	R") am the original inventor
or an origina) disclosed and/or claimed
in a patent a	pplication entitled "	KEYLESS AUTHENTICATION SCH	EME OF COMPUTING SERVICES "
("APPLICATIO	ON"), which:		
	will be filed.	ASSIGNOR hereby author	rizes, and requests,
	ASSIGNEE'S legal r	epresentative, Microsoft T	echnology Licensing,
	LLC., One Microsof	t Way, Redmond, Washingt	on 98052 (ASSIGNEE'S
	LEGAL REPRESENT	ATIVES), to insert here	in parentheses (filed
	on	and given Application (νο,bγ
	the following Office	US - United States Patent	and Trademark Office)
	this APPLICATION's Application No., filing date, and Office, when known;		
[8]	was filed on April 17, 2020 and was given Application		
	No 16851286		by the
	following Office "L	JSPTO	28. 1
Micro	soft Technology Lic	ensing, LLC, a Washington	limited liability company, on
behalf of its	elf and its successor	s and assigns ("ASSIGNEE"),	is entitled to, and is desirous
of acquiring	J, the entire and ex	clusive rights, title and in	terest, including the right of
priority, in t	he INVENTION and t	he APPLICATION (and all o	ther applications and patents
derived the	refrom, such as con	tinuing applications, in wh	ole or in part, in and for the
United State	s, its territories, and	d all foreign countries ("API	PLICATION DERIVATIVES"));
			EE'S LEGAL REPRESENTATIVES
			o the following table for any
APPLICATIO	ON DERIVATIVES after	r they are known;	
Application No.		Filing Date	Office
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MS Docket No.: 408196-US-NP

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).

46	4/17/2020
Inventor's Signature	Date
Yang Zhang	
Printed Name in English	Printed Name in Native Language (if other than English)

		MS	Docket No.: <u>408196-US-NP</u>
I_Mati	hias Adam Leibmanr	("ASSIGNOR") a	im the original inventor or
an original jo	oint inventor of subje tation entitled "KEYLE:	ct matter ("INVENTION") di	sclosed and/or claimed in a E OF COMPUTING SERVICES"
	ASSIGNEE'S legal re LLC., One Microsoft LEGAL REPRESENTA on April 17, 2020 the following Office	SSIGNOR hereby author epresentative, Microsoft T Way, Redmond, Washington To insert here in and given Application No., filing dispersion	echnology Licensing, on 98052 (ASSIGNEE'S n parentheses (filed No. <u>16851286</u> by and Trademark Office)
	was filed on	and was give	en Application
	following Office *		H V.
behalf of its of acquiring priority, in t derived the United State ASSIC to insert th	elf and its successors	and assigns ("ASSIGNEE"), clusive rights, title and in ne APPLICATION (and all o inuing applications, in wh all foreign countries ("API zes, and requests, ASSIGN iling date, and Office into	limited liability company, on is entitled to, and is desirous terest, including the right of ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES")); EE'S LEGAL REPRESENTATIVES to the following table for any
Application No.		Filing Date	Office
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		produce and the second second	

MS Docket No.: 408196-US-NP

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")):

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inventor's Shigatura

.....

Matthias Adam Lelbmann

Printed Name in English

Printed Name in Native Language

(If other than English)

original joint	inventor of subject ration entitled "KEYLE	MS ("ASSIGNOR") am the or matter ("INVENTION") discl SS AUTHENTICATION SCHEM	osed and/or claimed in a
	ASSIGNEE'S legal re LLC., One Microsoft LEGAL REPRESENTA on April 17, 2020 the following Office	SSIGNOR hereby author epresentative, Microsoft Toway, Redmond, Washington Toward here is and given Application No., filing decision No.	echnology Licensing, on 98052 (ASSIGNEE'S n parentheses (filed No. 16851286 by and Trademark Office)
		and was give	
	No	22	by the
	following Office "		***************************************
behalf of its of acquiring priority, in t derived their United State ASSIG to insert th	elf and its successors	and assigns ("ASSIGNEE"), lusive rights, title and inthe APPLICATION (and all of inuing applications, in whall foreign countries ("APFizes, and requests, ASSIGN lling date, and Office into	limited liability company, on is entitled to, and is desirous terest, including the right of ther applications and patents ole or in part, in and for the PLICATION DERIVATIVES")); EE'S LEGAL REPRESENTATIVES the following table for any
Application No.		Filing Date	Office
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MS Docket No.: 408196-US-NP

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")):

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Rollin .	4/13/2020
Sinventor's Signature	Date
Grigory V. Kaplin	
Printed Name in English	Printed Name in Native Language (if other than English)

		M	S Docket No.: 408196-US-NP
ı <u>Yi Ze</u>	ng	("ASSIGN	OR") am the original inventor
or an origina	l joint inventor of su		") disclosed and/or claimed
in a patent a	pplication entitled "_	KEYLESS AUTHENTICATION SCH	IEME OF COMPUTING SERVICES "
("APPLICATIO	N°), which:		
			8
	will be filed.	ASSIGNOR hereby autho	rizes, 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	Noby
	the following Office	<u> US – United States Patent</u>	and Trademark Office)
	this APPLICATION's Application No., filing date, and Office, when		
	known;		
8	was filed on April 1	7, 2020 and was giv	en Application
	No 16851286		by the
	following Office "_U	SPTO	P.
	According to Accor		
Micro	soft Technology Lice	ensing, LLC, a Washingtor	limited liability company, on
behalf of its	elf and its successors	and assigns ("ASSIGNEE")	, is entitled to, and is desirous
of acquiring	, the entire and exc	clusive rights, title and in	iterest, including the right of
priority, in t	he INVENTION and t	ne APPLICATION (and all o	other applications and patents
			nole or in part, in and for the
			PLICATION DERIVATIVES"));
	and the second second second		
ASSIC	NOR hereby authori	zes, and requests. ASSIGN	NEE'S LEGAL REPRESENTATIVES
			o the following table for any
	N DERIVATIVES after	The state of the s	
Application No.		Filing Date	Office
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Page 1 of 2

PATENT REEL: 060400 FRAME: 0880

MS Docket No.: 408196-US-NP

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

YI Zeng

Printed Name in English

A 18 | 2020

Date

YI ZENG

Printed Name in Native Language
(If other than English)

Page 2 of 2