506449605 01/14/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6496375

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNOR DOC DATE AND ASSIGNEE STATE previously recorded on Reel 049489 Frame 0204. Assignor(s) hereby confirms the DMITRI GAVRILOV DOC DATE SHOULD BE 06/12/2019; ASSIGNEE STATE SHOULD BE WASHINGTON.

CONVEYING PARTY DATA

Name	Execution Date
ANSHUL DUBE	06/14/2019
XIAOQUIN ZHU	06/11/2019
ANDREW BURKE RYAN	06/12/2019
SHANKARANAND ARUNACHALAM	06/14/2019
GOKAY HURMALI	06/12/2019
GANESH PANDEY	08/01/2019
PARUL MANEK	08/01/2019

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC
Street Address:	ONE MICROSOFT WAY, PATENT GROUP DOCKETING DEPT
Internal Address:	REDWEST-C
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16443236

CORRESPONDENCE DATA

Fax Number: (952)373-8920

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: 9524676088

Email: sgreenfield@khcip.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 2: PATENT GROUP DOCKETING DEPT Address Line 4: REDMOND, WASHINGTON 98052

PATENT 506449605 REEL: 056090 FRAME: 0761

ATTORNEY DOCKET NUMBER:	406669-US-NP
NAME OF SUBMITTER:	SUSAN GREENFIELD
SIGNATURE:	/Susan Greenfield/
DATE SIGNED:	01/14/2021

Total Attachments: 25

source=406669-US-NP MarkedupRecordation#page1.tif source=406669-US-NP MarkedupRecordation#page2.tif source=406669-US-NP MarkedupRecordation#page3.tif source=406669-US-NP_MarkedupRecordation#page4.tif source=406669-US-NP_MarkedupRecordation#page5.tif source=406669-US-NP MarkedupRecordation#page6.tif source=406669-US-NP MarkedupRecordation#page7.tif source=406669-US-NP_MarkedupRecordation#page8.tif source=406669-US-NP MarkedupRecordation#page9.tif source=406669-US-NP MarkedupRecordation#page10.tif source=406669-US-NP MarkedupRecordation#page11.tif source=406669-US-NP_MarkedupRecordation#page12.tif source=406669-US-NP_MarkedupRecordation#page13.tif source=406669-US-NP MarkedupRecordation#page14.tif source=406669-US-NP MarkedupRecordation#page15.tif source=406669-US-NP_MarkedupRecordation#page16.tif source=406669-US-NP MarkedupRecordation#page17.tif source=406669-US-NP MarkedupRecordation#page18.tif source=406669-US-NP MarkedupRecordation#page19.tif source=406669-US-NP MarkedupRecordation#page20.tif source=406669-US-NP_MarkedupRecordation#page21.tif source=406669-US-NP_MarkedupRecordation#page22.tif source=406669-US-NP MarkedupRecordation#page23.tif source=406669-US-NP MarkedupRecordation#page24.tif source=406669-US-NP_MarkedupRecordation#page25.tif

> PATENT REEL: 056090 FRAME: 0762

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5679209

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ADD ASSIGNORS: previously recorded on Reel 049489 Frame 0204. Assignor(s) hereby confirms the PANDEY, GANESH DOC DATE: 08/01/2019; AND MANEK, PARUL DOC DATE: 08/01/2019.

CONVEYING PARTY DATA

Name	Execution Date
ANSHUL DUBE	06/14/2019
XIAOQIN ZHU	06/11/2019
ANDREW BURKE RYAN	06/12/2019
SHANKARANAND ARUNACHALAM	06/14/2019
GOKAY HURMALI	06/12/2019
DMITRI GAVRILOV	06/13/2019
GANESH PANDEY	08/01/2019
PARUL MANEK	08/01/2019

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC
Street Address:	5600 148TH AVENUE NE
City:	REDMOND
State/Country:	MINNESOTA
Postal Code:	98052

PROPERTY NUMBERS Total: 1

-	Property Type	Number
	Application Number:	16443236

CORRESPONDENCE DATA

Fax Number:

(952)373-8920

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:

9524676088

Email:

sgreenfield@khcip.com

Correspondent Name:

MICROSOFT CORPORATION

Address Line 1:

ONE MICROSOFT WAY

Address Line 2:

PATENT GROUP DOCKETING DEPT

Address Line 4:

REDMOND, MINNESOTA 98052

ATTORNEY DOCKET NUMBER:

406669-US-NP

PATENT REEL: 056090 FRAME: 0763

MS Docket No.: 406669-US-NP

I Anshul DUBE ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CLIENT-SERVER SECURITY ENHANCEMENT USING INFORMATION ACCESSED FROM ACCESS TOKENS" ("APPLICATION"), which:

\boxtimes	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
	the following Office HS - United States Patent and Trademark Office this APPLICATION's Application No., filling date, and Office, when known;
	was filed on
	%

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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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 passed derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION DERIVATIVES).

			£,,
38	Shell	06/14/19	
25	Inventor's Signature	930	•
	Anshul DUBE		
	Printed Name in English	Printed Name in Native Language	ne,
		(if other than English)	

MS Docket No.: 406669-US-NP

I Xiaogin ZHU ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CLIENT-SERVER SECURITY ENHANCEMENT USING INFORMATION ACCESSED FROM ACCESS TOKENS" ("APPLICATION"), 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
onand given Application Noby
the following Office US - United States Patent and Trademark Office
this APPLICATION's Application No., filling date, and Office, when
known;
was filed on and was given Application
No by the following Office
.9 <u></u>

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;

	Filing Date	Office
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<u> </u>		

PATENT			4 E $^{\circ}$	

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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).

Xiavgg, 26 Inventor's Signature

Date

Xiaogin ZHU

Printed Name in English

フトルショル Printed Name in Native Language

(if other than English)

MS Docket No.: 406669-US-NP

I <u>Andrew Burke RYAN</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>CLIENT-SERVER SECURITY ENHANCEMENT USING INFORMATION ACCESSED FROM ACCESS TOKENS"</u> ("APPLICATION"), which:

\boxtimes	will be filed. A	SSIGNOR hereby	authorizes, and	requests
	ASSIGNEE'S legal re	epresentative, Micr	osoft Technology	Licensing
	LLC., One Microsoft	Way, Redmond, W	ashington 98052 ((ASSIGNEE':
	LEGAL REPRESENTA	ATIVES), to insert	here in parenth	neses (filed
	on	and given Appl	ication No	b
	the following Office	<u>US - United States</u>	Patent and Trader	<u>nark Office</u>
	this APPLICATION's	Application No.,	filing date, and C	Office, whe
	known;			
	was filed on	and was	given Application	
	No	and the state of t	Section 1997 Annual Contract of the Contract o	
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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"));

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
	000.00	

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).

Any 3 k Re	June 12 20	19
Inventor's Signature	Date	
Andrew Burke RYAN		
Printed Name in English	Printed Name in (if other than E	n Native Language nglish)

MS Docket No.: 406669-US-NP

I Shankaranand ARUNACHALAM ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CLIENT-SERVER SECURITY ENHANCEMENT USING INFORMATION ACCESSED FROM ACCESS TOKENS" ("APPLICATION"), which:

	representative, Microsoft Technology Licensing ft Way, Redmond, Washington 98052 (ASSIGNEE'
	'ATIVES), to insert here in parentheses (file and given Application No b
	e US - United States Patent and Trademark Office
this APPLICATION	's Application No., filing date, and Office, whe
known;	
was filed on	and was given Application
No	by the following Office

Microsoft Technology Licensing, ELC, 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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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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Alleni

Inventor's Signature

Shankaranand ARUNACHALAM

Printed Name in English

6/14/2019

Date

\$4,399 Jany 40 77 93

Printed Name in Native Language

(if other than English)

MS Docket No.: <u>406669-US-NP</u>

I <u>Gokay HURMAU</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>CLIENT-SERVER SECURITY ENHANCEMENT USING INFORMATION ACCESSED FROM ACCESS TOKENS"</u> ("APPLICATION"), which:

\boxtimes	will be filed.	ASSIGNOR	hereby	authorize	es, and	requests
	ASSIGNEE'S leg	al representa	tive, Micr	osoft Tec	hnology	Licensing
	LLC., One Micro	soft Way, Red	mond, Wa	ashington	98052 (A	SSIGNEE'
	LEGAL REPRESI	NTATIVES), t	o insert	here in	parentho	eses (file
	on	and gi	ven Appli	cation No.		b
	the following O					
	this APPLICATION	DN's Applicat	ion Na., 1	filing date	, and Of	fice, whe
	known;					
	was filed on		and was	given Appl	ication	
	No				. 5 - 6 - 10 - 10 - 10 - 10 - 10 - 10 - 10	
	-92		38			

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
30 30 31 31 30 31 30 30 30 30 30 30 30 30 30 30 30 30 30		8.

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 Signature

Gokay HURMALI

Printed Name in English

Printed Name in Native Language

(if other than English)

MS Docket No.: 406669-US-NP

I <u>Dmitri GAVRILOV</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>CLIENT-SERVER SECURITY ENHANCEMENT USING INFORMATION ACCESSED FROM ACCESS TOKENS</u>" ("APPLICATION"), which:

\boxtimes	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 <u>US - United States Patent and Trademark Office</u> this APPLICATION's Application No., filing date, and Office, when known;
	was filed on and was given Application
	No by the following Office
	K R.

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;

Filing Date	Office	

	Filing Date	

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				terrories commences		

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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	June 12 2019
Inventor's Signature	Date
Dmitri CAVRILOV	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT	ACCION	INSTRUCT
PATRNI	13311 x	A BARBARA E

I <u>Ganesh PANDEY</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CLIENT-SERVER SECURITY ENHANCEMENT USING INFORMATION ACCESSED FROM ACCESS TOKENS" ("APPLICATION"), which:

will be	e filed.	ASSIGNOR	hereby	authoriz	es, and	requests,
ASSIGN	IEE'S legal	represental	tive, Mici	rosoft Tea	chnology	Licensing,
LLC., O	ne Micros	oft Way, Red	mond, W	ashington	98052 (/	ASSIGNEE'S
LEGAL	REPRESEN	ITATIVES), t	o insert	here in	parenth	eses (filed
on		and gi	ven Appl	ication No		by
the foll	owing Offi	ce <u>US – Unit</u>	ed States	Patent an	<u>d Traden</u>	<u>ıark Office</u>)
this AP	PLICATION	N's Applicati	on No.,	filing date	e, and Of	fice, when
known;	•					

was filed on June 17, 2019 and was given Application No

16/443,236 by the following Office "US – United States Patent and
Trademark 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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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 Signature

Ganesh PANDEY

Printed Name in English

Printed Name in Native Language (if other than English)

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I Parul MANEK ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CLIENT-SERVER SECURITY ENHANCEMENT USING INFORMATION ACCESSED FROM ACCESS TOKENS" ("APPLICATION"), which:

will be	e filed.	ASSIGNOR	herel	y auth	orizes	, and	requ	uests,
ASSIGN	EE'S legal	representa	tive, M	licrosoft	Tech	nology	Licer	nsing,
LLC., O	ne Microso	oft Way, Red	mond,	Washin	gton 9	8052 (4	ASSIG	NEE'S
LEGAL	REPRESEN	TATIVES), t	o inse	ert here	in p	arenth	eses	(filed
on		and gi	ven Ap	plicatio	n No			by
the foll	owing Offi	ce <u>US – Unit</u>	ed Stat	<u>es Pater</u>	it and	<u>Tradem</u>	iark C	<u>)ffice</u>)
this AP	PLICATION	l's Applicat	ion No	., filing	date,	and Of	fice,	when
known;								

was filed on June 17, 2019 and was given Application No 16/443,236 by the following Office "US – United States Patent and Trademark Office":

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Inventor's Signature

'Date

Parul MANEK

Printed Name in English

Printed Name in Native Language (if other than English)

Page 2 of 2