PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7342113

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANSHUL DUBE	01/30/2020
PARUL MANEK	01/29/2020
STEVEN MARK SILVERBERG	02/05/2020
SHANKARANAND ARUNACHALAM	01/29/2020
JASON CRAIG NELSON	01/27/2020
ANDREW BURKE RYAN	01/29/2020
ROBERT A. LOWE	01/29/2020
GANESH PANDEY	01/29/2020

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:	17749761

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: 425-706-0878

Email: sgreenfield@microsoft.com Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY Address Line 2: PATENT DOCKETING

Address Line 4: REDMOND, UNITED STATES 98052

ATTORNEY DOCKET NUMBER: 407950-US-CNT SUSAN GREENFIELD NAME OF SUBMITTER:

PATENT REEL: 059973 FRAME: 0602 507295188

SIGNATURE:	/Susan Greenfield/	
DATE SIGNED:	05/20/2022	
Total Attachments: 16		
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PATENT REEL: 059973 FRAME: 0603

	DATENIT ADDICNIMENT	MCDanton	407050 YIO XIO
	PATENT ASSIGNMENT	MS Docket No.:	407950-US-NP
subject matter "AUTHENTIC	hul DUBE ("ASSIGNOR") am the origin ar ("INVENTION") disclosed and/or c CATION FRAMEWORK FOR FIONS" ("APPLICATION"), which:	laimed in a patent a	application entitled
	will be filed. ASSIGNOR hereby authorized representative, Microsoft Tec Microsoft Way, Redmond, Washington REPRESENTATIVES), to insert had given Application No., filing of the file of th	hnology Licensing, I on 98052 (ASSIGNES ere in parentheses ation No. 'atent and Trademark	LLC., One PS LEGAL (filed onby the Office) this
×	was filed on <u>January 27, 2020</u> and was by the following Office " <u>US - United Sta</u>		
of itself and acquiring, the INVENTION acquire such as continued in the contract of the contra	soft Technology Licensing, LLC, a Wash its successors and assigns ("ASSIGN e entire and exclusive rights, title and int and the APPLICATION (and all other ap inuing applications, in whole or in part, in n countries ("APPLICATION DERIVATIV	IEE"), is entitled to, is erest, including the rig oplications and patents in and for the United S	and is desirous o ht of priority, in the derived therefrom
REPRESENT	3NOR hereby authorizes, and FATIVES to insert the Application No., filing ICATION DERIVATIVES after they are k	ng date, and Office into	GNEE'S LEGAI the following table

Application No. Filing Date Office

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).

Page 1 of 2

MS Docket No.: 407950-US-NP

Anous

Inventor's Signature

ANSHUL DUBE Printed Name in English

Date

1/30/2020

Printed Name in Native Language (if other than English)

MS Docket No.:

407950-US-NP

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 "AUTHENTICATION FRAMEWORK FOR RESOURCE ACCESS ACROSS ORGANIZATIONS" ("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
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 <u>January 27, 2020</u> and was given Application No <u>16/773,526</u> by the following Office "<u>US – United States Patent and Trademark Office</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"));

Application No.	Filing Date	Office	
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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).

mventor's Signatur

Parul MANEK
Printed Name in English

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Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 407950-US-NP I Steven Mark SILVERBERG ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "AUTHENTICATION FRAMEWORK FOR RESOURCE ACCESS ACROSS ORGANIZATIONS" ("APPLICATION"), which: | will be filed. ASSIGNOR hereby authorizes, and requests,

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ASSIGNEE'S legal representative, Microsoft Technology Licensing	3,
LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE	S
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onand given Application Not	γ
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Application No.	Filing Date	Office	
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Page 1 of 2

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	2/5/2020
Inventor's Signature	Date
Steven Mark SILVERBERG	

PA	TENT ASSIGNMENT	MS	Docket i	No.: <u> </u>	<u> 107950-U</u>	S-NP
and	ARUNACHALAM ("ASSIGN	VOR")	am the	original	inventor	or an

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 "AUTHENTICATION FRAMEWORK FOR RESOURCE ACCESS ACROSS ORGANIZATIONS" ("APPLICATION"), which:

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ASSIGNEE'S legal representative, Microsoft Technology Licensing) ,
LC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE	S
EGAL REPRESENTATIVES), to insert here in parentheses (file	d
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he following Office <u>US – United States Patent and Trademark Offic</u>	<u>3</u>)
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Inventor's Signature

Shankaranand ARUNACHALAM

Printed Name in English

சம் கறானர்க

Printed Name in Native Language (if other than English)

MS Docket No.:

407950-US-NP

I Jason Craig NELSON ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "AUTHENTICATION FRAMEWORK FOR RESOURCE ACCESS ACROSS ORGANIZATIONS" ("APPLICATION"), which:

will be	e filed.	ASSIGNOR	hereby	authoi	rizes, and	l requests,
ASSIGN	EE'S lega	representat	ive, Mic	rosoft T	Technology	Licensing,
LLC., O	ne Micros	oft Way, Redi	nond, W	ashingt	on 98052 ((ASSIGNEE'S
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the follo	owing Off	ice <u>US – Unite</u>	<u>ed States</u>	Patent :	and Trader	<u>mark Office</u>)
this AP	PLICATIO	N's Applicati	on No.,	filing d	ate, and C	Office, when
known;						

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Inventor's Signature

Jason Craig NELSON

Printed Name in English

Date

Printed Name In Native Language

(if other than English)

MS Docket No.:

407950-US-NP

I Andrew Burke RYAN ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "AUTHENTICATION FRAMEWORK FOR RESOURCE ACCESS ACROSS ORGANIZATIONS" ("APPLICATION"), which:

vill be filed. ASSIGNOR hereby authorizes, and requests
SSIGNEE'S legal representative, Microsoft Technology Licensing,
LC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S
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Application No.	Filing Date	Office
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Page 1 of 2

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Ta 29 z 0 Z 0 Date

Andrew Burke RYAN
Printed Name in English
Printed Name in Native Language
(If other than English)

MS Docket No.:

407950-US-NP

I Robert A. LOWE ("ASSIGNOR") am	the original inventor or an original joint
inventor of subject matter ("INVENTION")	disclosed and/or claimed in a patent
application entitled "AUTHENTICATION FF	RAMEWORK FOR RESOURCE ACCESS
ACROSS ORGANIZATIONS" ("APPLICATION	"), which:

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Inventor's Signature

| Robert A. LOWE | Printed Name in English | Printed Name in Native Language (if other than English)

•	Gan	iesh PAl	VDEY ("ASSIGN	OR") an	n the origir	al inven	tor or an	origin	al joint
inventor	of	subject	matter	("INVEN	ITION")	disclosed	and/or	claimed	in a	patent
applicat	ion i	entitled '	'AUTHE	NTICAT	ION F	RAMEWOR	K FOR	RESOUR	CE A	CCESS
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will b	e filed.	ASSIGNOR	t hereby	authoria	zes, and	requests,
ASSIGN	IEE'S leg	al representa	ative, Mid	rosoft Te	chnology	Licensing,
LLC., C	ne Micro	soft Way, Red	Mond, W	/ashingto	1 98052 (ASSIGNEE'S
LEGAL	REPRESE	ENTATIVES),	to inser	t here in	parenth	eses (filed
on		and g	iven App	lication No	Ď	by
the fol	lowing O	ffice <u>US – Uni</u>	ted State:	s Patent ar	nd Traden	nark Office)
this Al	PPLICATION	ON's Applica	tion No.,	filing dat	e, and O	ffice, when
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PATENT ASSIGNMEN	T MS	Docket No.:	407950-US-NP
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Gardy	1/29/2020
Inventor's Signature	Date
Ganesh PANDEY	
Printed Name in English	Printed Name in Native Language (if other than English)