PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7236646

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the CONVEYING PARTY DATA previously recorded on Reel 058544 Frame 0516. Assignor(s) hereby confirms the DELETION OF MOHAMED SALMAN ISMAIL GADIT FROM THE CONVEYING PARTY DATA.	
RESUBMIT DOCUMENT ID:	507099870	

CONVEYING PARTY DATA

Name	Execution Date
JATIN KAKKAR	12/13/2021
BEETHIKA TRIPATHI	12/12/2021
RASHI ANAND	12/13/2021
PANKAJ KHANZODE	12/12/2021
NEHA SINGH	12/12/2021
DARAKSHA PARVEEN	12/12/2021
GANGULA RAMA ROHIT REDDY	12/13/2021
RISHABH MALHOTRA	12/13/2021

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:	17552723

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: 2166228223

Email: tirwin@calfee.com

Correspondent Name: THOMAS R. IRWIN

Address Line 1: THE CALFEE BUILDING

Address Line 2: 1405 EAST SIXTH STREET

Address Line 4: CLEVELAND, OHIO 44114

ATTORNEY DOCKET NUMBER:	410732-US-NP/40609.04540
NAME OF SUBMITTER:	NICHOLE KUKLISIN
SIGNATURE:	/Nichole Kuklisin/
DATE SIGNED:	03/22/2022

Total Attachments: 18

source=410732-US-NP - EPAS Receipt 4856-9546-3181 v.1#page1.tif source=410732-US-NP - EPAS Receipt 4856-9546-3181 v.1#page2.tif source=2022-01-28-410732-US-NP-CorrectedAssignment#page1.tif source=2022-01-28-410732-US-NP-CorrectedAssignment#page2.tif source=2022-01-28-410732-US-NP-CorrectedAssignment#page3.tif source=2022-01-28-410732-US-NP-CorrectedAssignment#page4.tif source=2022-01-28-410732-US-NP-CorrectedAssignment#page5.tif source=2022-01-28-410732-US-NP-CorrectedAssignment#page6.tif source=2022-01-28-410732-US-NP-CorrectedAssignment#page7.tif source=2022-01-28-410732-US-NP-CorrectedAssignment#page8.tif source=2022-01-28-410732-US-NP-CorrectedAssignment#page9.tif source=2022-01-28-410732-US-NP-CorrectedAssignment#page10.tif source=2022-01-28-410732-US-NP-CorrectedAssignment#page11.tif source=2022-01-28-410732-US-NP-CorrectedAssignment#page12.tif source=2022-01-28-410732-US-NP-CorrectedAssignment#page13.tif source=2022-01-28-410732-US-NP-CorrectedAssignment#page14.tif source=2022-01-28-410732-US-NP-CorrectedAssignment#page15.tif source=2022-01-28-410732-US-NP-CorrectedAssignment#page16.tif



United States Patent and Trademark Office

Home | Site Index | Search | Guides | Contects | eBusiness | eBix alerts | News | Help



Electronic Patent Assignment System

Confirmation Receipt

Your assignment has been received by the USPTO. The coversheet of the assignment is displayed below:

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
JATIN KAKKAR	12/13/2021
BEETHIKA TRIPATHI	12/12/2021
RASHI ANAND	12/13/2021
PANKAJ KHANZODE	12/12/2021
NEHA SINGH	
DARAKSHA PARVEEN	12/12/2021
GANGULA RAMA ROHIT REDDY	12/13/2021
RISHABH MALHOTRA	12/13/2021
MOHAMED SALMAN ISMAIL GADIT	

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

PATENT

REEL: 059336 FRAME: 0449

Application Number: 1	oplication Number: 17552723	
CORRESPONDENCE DATA Fax Number: Email:		
ATTORNEY DOCKET 410732-US-NP		
NAME OF SUBMITTER:	MICHAEL J. MEDLEY	
Signature:	/Michael J. Medley/	
Date: 01/04/2022		
Total Attachments: 18 source=410732-US-NP-Assignment#page1.tif source=410732-US-NP-Assignment#page3.tif source=410732-US-NP-Assignment#page4.tif source=410732-US-NP-Assignment#page5.tif source=410732-US-NP-Assignment#page6.tif source=410732-US-NP-Assignment#page7.tif source=410732-US-NP-Assignment#page8.tif source=410732-US-NP-Assignment#page9.tif source=410732-US-NP-Assignment#page9.tif source=410732-US-NP-Assignment#page10.tif source=410732-US-NP-Assignment#page11.tif source=410732-US-NP-Assignment#page13.tif source=410732-US-NP-Assignment#page13.tif source=410732-US-NP-Assignment#page14.tif source=410732-US-NP-Assignment#page15.tif source=410732-US-NP-Assignment#page15.tif source=410732-US-NP-Assignment#page16.tif source=410732-US-NP-Assignment#page17.tif source=410732-US-NP-Assignment#page17.tif source=410732-US-NP-Assignment#page18.tif		
RECEIPT INFORMATION		
EPAS ID: PAT7	103817	

Return to home page

01/04/2022

Receipt Date:

| .HOME | INDEX| SEARCH | eBUSINESS | CONTACT US | PRIVACY STATEMENT

MS Docket No.: 410732-US-NP

I, <u>Jatin KAKKAR</u>, ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "COMPUTING SYSTEM FOR DETECTING AND UPDATING STALE INFORMATION" ("APPLICATION"), which:

\times	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 December 16, 2021 and given Application No. 17/552,723 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
	".

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.: 410732-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"));

Inventor's Signature	<u>13 − Dec −2021</u> Date
Jatin KAKKAR	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I. Beethika TRIPATHI. (*	an interest desired research personal record (1961) increased in			an an ing a sa ta 📆 a a sa taon an a 😘 a a a sa taon a
inventor of subject matter	("INVENTION")	disclosed	and/or claime	d in a patent
application entitled "COMPU	TING SYSTEM			
<u>INFORMATION</u> " ("APPLICATION				

Ø	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 December 16, 2021 and given Application No. 17/552,723 by
	the following Office US - United States Patent and Trademark Office
	this APPLICATION's Application No., filing date, and Office, wher
	known;
	was filed on and was given Application
	No by the following Office
	X

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	

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"));

Coll for by Inventor's Signature Beethika TRIPATHI	12 December, 2021 Date
Printed Name in English	Printed Name in Native Language (if other than English)

I, <u>Rashi ANAND</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>COMPUTING SYSTEM FOR DETECTING AND UPDATING STALE INFORMATION</u>" ("APPLICATION"), which:

MS Docket No.: 410732-US-NP

X	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 <u>December 16, 2021</u> and given Application No. <u>17/552,723</u> by
	the following Office <u>US - United States Patent and Trademark Office</u>
	this APPLICATION's Application No., filing date, and Office, wher
	known;
	was filed on and was given Application
	Noby the following 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

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSICMOR, the ASSICMOR hereby sells, assigns and transfers to the ASSICMER. ASSICMOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and parents sterived therefrom, such as communing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"):

ASSICACIÓN agress to execute all instruments and documents required for the making and provecution of the APPLICATION (and APPLICATION (ESTIVATIVIS), for illigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION (AND APPLICATION).



Page 2 of 2

MS Docket No.: 410732-US-NP

I, <u>Pankaj KHANZODE</u>, ("ASSICNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>COMPUTING SYSTEM FOR DETECTING AND UPDATING STALE INFORMATION</u>" ("APPLICATION"), which

Ø	will	be I	iled.	ASSK	SNOR	hereby	author	rizes, a	ınd req	uests.
	ASSIC	NEE'	S lega	l repre	sentativ	ve, Mici	rosoft T	echnok	ogy Lice	nsing,
	uc.	One	Micros	oft Wa	/, Redm	iond, W	ashingti	on 9805	Z (ASSIC	inee's
	LEGA	L RE	PRESEI	VITATIV	ES), to	insert	here	in pare	ntheses	(filed
	on_C	ecem)	ber 16,	2021 ,	and give	en Appli	ication I	Vo. 17/5	52,723	by
	the fo	illow	ng Off	ice US	- United	l States	Patent.	and Trac	Jemark (Office)
	this /	APPLI	CATIO	N's Ap	plicatio	n No.,	filing d	ate, and	Office,	when
	know	n.								

						e																											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:

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).

हिंदी [2:12:2-62]
Inventor's Signature Date

Pankaj KHANZODE प्रेन्दी हिन्दी है

Printed Name in English Printed Name in Native Language (if other than English)

I, <u>Neha SINGH</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>COMPUTING SYSTEM FOR DETECTING AND UPDATING STALE INFORMATION</u>" ("APPLICATION"), which:

MS Docket No.: 410732-US-NP

X	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 <u>December 16, 2021</u> and given Application No. <u>17/552,723</u> 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

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.: 410732-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"));

W	12/12/2021
Inventor's Signature	Date
Neha SINGH	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I, <u>Daraksha PARVEEN</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>COMPUTING SYSTEM FOR DETECTING AND UPDATING STALE INFORMATION</u>" ("APPLICATION"), which:

MS Docket No.: 410732-US-NP

\times	will be filed.	ASSIGNOR	hereby	authoriz	es, and	reque	ests,
	ASSIGNEE'S legal	representat	ive, Micr	osoft Ted	hnology	Licens	sing,
	LLC., One Microso	ft Way, Redr	nond, Wa	ashington	98052 (4	ASSIGN	EE'S
	LEGAL REPRESENT	TATIVES), to	o insert	here in	parenthe	eses (filed
	on December 16, 2	021_ and giv	en Appli	cation No	. <u>17/552,7</u>	23	_by
	the following Offic	ce <u>US – Unite</u>	d States	Patent an	<u>d Tradem</u>	ark Of	fice)
	this APPLICATION	's Application	on No., f	iling date	e, and Of	fice, w	vhen
	known;						
	was filed on		and was g	given App	lication		
	No	by the fo	ollowing	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

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"));

MS Docket No.: 410732-US-NP

Derita Some	12/12/2021
Inventor's Signature	Date
Daraksha PARVEEN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Canonic Paris Report REPORT CASSICHOR CARRENT EUROPEUR INVESTOR OF STATE PARIS PROPERTY OF STATE PARIS PARIS

888	*****	****	****	****	****	****	******	*****	******	****	****	*****		*****	****	*****	****	****	***	****	****	****	****	****	****		*****	******
X																												
		A	N			×	164	w	14	m	***	w	at i	**	N	١.	W	W	N	×	W			W				М.
		u	۲.	X		N			н	W .		×	w	w	W.	×	**	M	W	W	* *		X		**	M		
				ue	UC!	HUE), <u>2</u> .	<i>1</i> 2 1																			
																												i e i i
		ķ,									****								•									
		W.		W											w					Ų.	ă.		w	n				
8888																												

Manager Technology Licensing, LLC, a Washington Limited Fability Company, on behalf of the Real Agent is successful and assigns ("ASSIGNED"), is entitled to, and is desirous of acquiring the entitle and exclusive papers, but and interest, including the fability papers, and all other applications and patents desired meetings acquiring applications. In whole or in part, in and for the United States, as entitled all long produces ("APPLICATION DESIVATIVES").

ASSICNOR hereby authorizes, and requests. ASSIGNEES LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known.

leanor.	No.	10000	DHE	Office	

Page 1 of 2

Carrella Name (Carrella Company) Process Name (Carrella Company) A PROPER MALHOTEA (A SECNOR) on the original inventor or an original for the original inventor or an original for the original inventor or an original for the original and or charried in a care of section and the original section of the original original and the original o

	all b		161				æ.	w	×			w	Ŋ.	×	W	×	ĸ.		×.	w	×		ue	×.	
		*********							*****	*****														*****	
		**********	******		*****			*****	******	*****	*****				*****		*****		 *****		*****		******		w
	tk At De	******						*****		*****									****						***
		********	*****	*****	*****	*****		****	*****	*****	****	****		*****	****	****	*****		*****			*****			***
************	ii. A	*******						*****		*****	*****	******	*****												***
k	now																								
		ec i	188							33	d	w		QI.				×.		N					
	io.						W	**			60	S.	40	0	H)	ce.									

National Technology Licensing E.C. Washington in need hability company on performance that the company company of the performance and exclusive rights, the and interest, including the right of the performance and taken to the performance and taken

ASSIGNOR hereby surnorizes, and requests, ASSIGNEES LEGAL REPRESENTATIVES to insert the Application No., 1990, date, and Office into the following table for any APPLICATION DERIVATIVES after they are known.

	MANIAN.				V7.5.64'.5	Character Section 18.	Contraction of the Contraction o	and the second		 			 ~~~~~~	 	 *********		
Ш							iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii							,,,,,,,,,,,			
w																	
Ш	illikki,	Harris II									iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii						
W													 	 	 	*****	
	MINI	*****	******	*****		411111111											
W																	

									*							***	
W																	

				****	****				****								
									****		*****						
W	illillilli.	HIHHH	HHHH		HHHHH	illillilli.	illillilli.		HIIIII			HHHHH	HHHHH			ammin	

For Every and valuable consideration, the receipt of which is never action when by the ASSCAUR. The ASSCAUR hereby sells assigns and transfers to the ASSCAUR ASSCAUR. Assigns and interest including the right of priority that the BNVENTRON and the APPLICATION cand all other applications and patents derived the BNVENTRON and the APPLICATION cand all other applications and patents derived the BNVENTRON associationing applications. It whole or in part, it and for the limited that the Control of the C

Assistance agrees to execute all instruments and documents required for the making and prosecution of the Application (and Application Deployatives), for business required between the respect of the purpose of protecting and the purpose of the pu

	Late:
Resident MALESTRA	
Process Name of English	
CONTROL Married Co. Co. Qui all	Printed Name in Native Language
	of a her than English