## 507056980 01/04/2022

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7103817

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	12/12/2021
DARAKSHA PARVEEN	12/12/2021
GANGULA RAMA ROHIT REDDY	12/13/2021
RISHABH MALHOTRA	12/13/2021
MOHAMED SALMAN ISMAIL GADIT	10/18/2021

#### **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.

Email: USDOCKET@MICROSOFT.COM

Correspondent Name: MICROSOFT TECHNOLOGY LICENSING, LLC

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	410732-US-NP
NAME OF SUBMITTER:	MICHAEL J. MEDLEY
SIGNATURE:	/Michael J. Medley/

DATE SIGNED:	01/04/2022	
Total Attachments: 18		
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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	authoriz	zes, and	l requ	ıests,
	ASSIGNE	E'S legal	representat	ive, Micr	osoft Te	chnology	/ Licen	sing,
	LLC., One	e Microsc	oft Way, Redr	nond, Wa	ıshingtor	n 98052	(ASSIGI	NEE'S
	LEGAL R	EPRESEN	TATIVES), to	o insert	here in	parenth	neses	(filed
	on Decen	nber 16, 20	0 <u>21</u> and giv	en Appli	cation No	o. <u>17/552</u>	,723	by
	the follow	ving Offic	ce <u>US – Unite</u>	d States	<u>Patent ar</u>	<u>nd Trader</u>	<u>nark O</u>	ffice)
	this APPI	LICATION	l's Application	on No., f	iling dat	e, and C	ffice,	when
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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"));

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"));

Inventor's Signature	13- Dec -2021  Date
Jatin KAKKAR	
Printed Name in English	Printed Name in Native Language
	(if other than English)

i, Beethika TRIPATHI, (		i the origin	was na manana na makabana na masa na masa na kabana na manana na manana na manana na manana na manana na manan	an original Joint
inventor of subject matter	("INVENTION")	disclosed		ed in a patent
application entitled "COMPU	TING_SYSTEM_	FOR DETE	CTING AND U	PDATING STALE
INFORMATION" ("APPLICATION	("), which:			

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
	<b>X</b>

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:
  - 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;

and was given Application
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"));

Application No.	Filing Date	Office

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSICNOB, the ASSICNOB hereby asils, assigns and transfers to the ASSICNIE, ASSICNOR'S entire and exclusive rights, title and interest, including the right of phonty, in the INVENTION and the APPLICATION (and all other applications and patents serviced therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION (DERIVATIVES")):

ASSECTION agrees to execute all instruments and documents required to the making and prosecution of the APPLICATION (and APPLICATION DESIVATIVES), for illigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting risks to the APPLICATION (and APPLICATION (EXPLATION SERVATIVES).



Page 2 of 2

MS Docket No.: 410732-US-NP

 Pankai KHANZODE, ("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

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	the fo	llowi	ng Offi	ce <u>uS</u> .:	United	l States	Patent	and Tr	ademi	irk Of	fice)
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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

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:
  - 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;

$\square$ was filed on $\_\_$	and was given Application
No	by the following 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

MS Docket No.: 410732-US-NP

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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:
  - 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 <a href="December 16">December 16</a>, 2021 and given Application No. <a href="17">177/552,723</a> by the following Office <a href="US">US</a> United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;

and was given Application
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"));

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,

MS Docket No.: 410732-US-NP

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"));

Origina John	12/12/2021
Inventor's Signature	Date
Daraksha PARVEEN	
Printed Name in English	Printed Name in Native Language
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Page 1 of 2

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#### PATENT ASSIGNMENT

MS Docket No.: 410645-IN-PSP

I, Mohamed Salman Ismail GADIT, ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "KNOWLEDGE ATTRIBUTES AND PASSAGE INFORMATION BASED INTERACTIVE NEXT QUERY RECOMMENDATION" ("APPLICATION"), which:

reby authorizes, and r	equests									
Microsoft Technology Li	censing									
id, Washington 98052 (AS	iiGnee's									
nsert here in parenthes	is (filed									
Application No	by									
the following Office IN - Indian Patent Office) this APPLICATION's										
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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	

MS Docket No.: 410645-IN-PSP

### PATENT ASSIGNMENT

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).

MAN :	
Unventor's Signature	
Mohamed Salman Ismail GADIT Printed Name in English	Printed Name in Native Language (If other than English)

Page 2 of 2