PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7777538

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MEENAKSHI NAREN	10/10/2022
VINAY VISHWANATH	10/28/2022
SHASHANK KAPOOR	10/07/2022
SHRAVANI DILIP AGARKAR	10/07/2022
KARTHIK KASOJU	10/06/2022
SANDEEP CHOUDRI	10/07/2022
NARESH JAIN	12/23/2022
TUMU SREE BHARATH	10/07/2022
BRIAN M. JONES	10/06/2022
JEET MUKESHKUMAR PATEL	10/11/2022
SAMEER DESAI	10/07/2022
SHASHANK GUPTA	10/07/2022

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:	17858360

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: usdocket1@microsoft.com

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER, P.A.

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

PATENT REEL: 062648 FRAME: 0400

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ATTORNEY DOCKET NUMBER:	411335-US-NP 1777.H01US1		
NAME OF SUBMITTER:	JANINE HEITLAND		
SIGNATURE:	/ Janine Heitland /		
DATE SIGNED:	02/03/2023		
Total Attachments: 25			
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PATENT REEL: 062648 FRAME: 0401

Application No.

l Meenakshi NAREN ("ASSIGNOR") am the original inventor or an original join
inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent
application entitled "ENHANCED SPREADSHEET PRESENTATION USING SPOTLIGHTING
AND ENHANCED SPREADSHEET COLLABORATION USING LIVE TYPING", which:
\square 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) this
APPLICATION's Application No., filing date, and Office, when known;
, , , , , , , , , , , , , , , ,
$oxed{\boxtimes}$ was filed on July 6, 2022 and was given Application No
17/858,360 by the following Office "US Patent Office";
17/838,300 by the following office of attent office,
Microsoft Technology Licensing, LLC, a Washington limited liability company, or
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"));
officed States, its territories, and an foreign countries (AFFEICATION 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

MS Docket No.: 411335-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"));

	10th October 2022
Inventor's Signature	Date
Meenakshi NAREN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

l Vinay VI	SHWANATH ("AS	SSIGNOR") am the original	inventor or an original joint
inventor of sub	oject matter ("	INVENTION") disclosed a	nd/or claimed in a patent
application e	ntitled " <u>ENH</u>	ANCED SPREADSHEET	PRESENTATION USING
SPOTLIGHTING A	AND ENHANCED	SPREADSHEET COLLABOR	RATION USING LIVE TYPING",
which:			
□ wil	l be filed.	ASSIGNOR hereby autho	rizes, and requests.
		representative, Microsoft	•
	_	t Way, Redmond, Washingt	-
	•	ATIVES), to insert here	·
			•
		and given Application	
the	9) this
AP	PLICATION'S App	olication No., filing date, ar	id Office, when known;
🛛 wa	s filed on <u>July 6,</u>	2022 and was given Appl	ication No
<u>17</u>	/858,360 by the	following Office " <u>US Pater</u>	nt Office ";
Microsoft	Technology Lice	ensing, LLC, a Washington	limited liability company, on
behalf of itself ar	nd its successors	s and assigns ("ASSIGNEE"),	is entitled to, and is desirous
of acquiring, the	e entire and exc	clusive rights, title and in	terest, including the right of
priority, in the IN	NVENTION and t	he APPLICATION (and all o	ther applications and patents
derived therefro	m, such as cont	inuing applications, in wh	ole or in part, in and for the
		· · ·	PLICATION DERIVATIVES"));
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ASSIGNOR	R hereby authori	zes, and requests. ASSIGN	EE'S LEGAL REPRESENTATIVES
	•	• •	the following table for any
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Application No.		Filing Date	Office

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anout	28th October 2022
Inventor's Signature Vinay	Date
Kumar VISHWANATH	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 411335-US-NP

I Sha	shank KA	POOR ("A	SSIGNOR") a	m the origi	nal invent	or or an	original	joint
inventor of	subject	matter	("INVENTION"	') disclosed	d and/or	claimed	in a p	oatent
application -	entitled '	'ENHANCI	ED SPREADS	HEET PRESE	NTATION.	USING S	POTLIGE	<u> HTING</u>
AND ENHAN	CED SPRE	ADSHEET	COLLABORA	TION USING	LIVE TYP	I <u>NG</u> ", whi	ch:	
						,		
	will be	filed.	ASSIGNOR	hereby au	ıthorizes,	and re	quests,	
	ASSIGNE	E'S legal	representat	ve, Microso	oft Techno	ology Lic	ensing,	

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 _______ this APPLICATION's Application No., filing date, and Office, when known;

was filed on July 6, 2022 and was given Application No 17/858,360 by the following Office "US Patent 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"));

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Application No.	Filing Date	Office	

Page 1 of 2

PATENT ASSIGNMENT MS Docket No.: 411335-US-NP

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St.	Marine.	10/7/2022
Inventor's Sigr	nature	Date
Shashank KAP	OOR	
Printed Name	in English	Printed Name in Native Language
		(if other than English)

I Shravani Dilip AGARKAR ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ENHANCED SPREADSHEET PRESENTATION USING SPOTLIGHTING AND ENHANCED SPREADSHEET COLLABORATION USING LIVE TYPING", 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
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	the following Office this
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Page 1 of 2

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N. Same	7" Dec 2022
Inventor's Signature	Date
Shravani Dilip AGARKAR	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Application No.

l Karthik KASOJU ("ASSIGNOR") am the original inventor or an original joint
inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent
application entitled "ENHANCED SPREADSHEET PRESENTATION USING SPOTLIGHTING
AND ENHANCED SPREADSHEET COLLABORATION USING LIVE TYPING", which:
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ASSIGNEE'S legal representative, Microsoft Technology Licensing,
LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S
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APPLICATION's Application No., filing date, and Office, when known;
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MS Docket No.: 411335-US-NP

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Gulfik	06 October 2022
Inventor's Signature	Date
Karthik KASOJU	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

MS Docket No.: 411335-US-NP

I Sandeep CHOUDRI ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ENHANCED SPREADSHEET PRESENTATION USING SPOTLIGHTING AND ENHANCED SPREADSHEET COLLABORATION USING LIVE TYPING", which

will!	60	filed.	ASSIGNOR	hereby	authorize	es, and	requ	ests,
ASSE	.NE	'S lega	l representat	ive, Micr	osoft Tec	hnology	Licen	sing,
ШC,	(Juse	Microso	oft Way, Redr	nond, Wa	ishington	98052 (assici	4EE,2
			(TATIVES), to					
08			and giv	en Appli	cation No.			by
the	follo	owing	Office					this
APPU	CAT	ION's A	pplication No	., filling d	late, and (Office, w	hen kn	own:

Was filed on July 6, 2022 and was given Application No 17/858,360 by the following Office "US Patent Office": "...".

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Page 1 of 2

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- Lave !	10/7/22
Inventor's Signature	Date
Sandeep CHOUDRI	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Page 2 of 2

MS Docket No.: 411335-US-NP

was filed on July 6, 2022 and was given Application No 17/858,360 by the following Office "US Patent Office";

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Narah Jain	23rd December, 2022
Inventor's Signature	Date
Naresh JAIN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

l Tumu Sree	BHARATH	("ASSIGNOR") aı	n the origir	nal inven	tor or an o	origina	al joint
inventor of subje	ect matter	("INVENTION")	disclosed	and/or	claimed	in a	patent
application entitle	d " <u>ENHANC</u>	ED SPREADSHE	ET PRESEN	<u>TATION</u>	USING SP	<u>OTLIG</u>	<u>HTING</u>
AND ENHANCED S	PREADSHEET	COLLABORATI	ON USING L	_IVE TYPI	<u>NG</u> ", whicl	n:	

will b	e '	filed.	ASSIGNO	R h	ereby	autho	orizes	, and	requ	iests,
ASSIG	NEE'	'S legal	l represent	tativ	e, Micr	osoft	Tech	nology	Licen	ısing,
LLC, O	ne	Microso	oft Way, Re	dmo	nd, Wa	ashing	ton 9	8052 (4	ASSIGI	NEE'S
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APPLIC	CATI	ION's A	pplication	No.,	filing o	late, a	nd Of	fice, wh	ien kr	iown;

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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"));

A J.	07 OCT 2022
Inventor's Signature	Date
Tumu Sree BHARATH	
Printed Name in English	Printed Name in Native Language (if other than English)

I Brian M. JONES ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ENHANCED SPREADSHEET PRESENTATION USING SPOTLIGHTING AND ENHANCED SPREADSHEET COLLABORATION USING LIVE TYPING", 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
	APPLICATION's Application No., filing date, and Office, when known
\boxtimes	was filed on July 6, 2022 and was given Application No
	17/858 360 by the following Office "US Patent 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"));

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Brian Jones	10 / 06 / 2022
Inventor's Signature	Date
Brian M. JONES	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Jeet Mukeshkumar PATEL ("ASSIGNOR") am the original inventor or an original
joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent
application entitled "ENHANCED SPREADSHEET PRESENTATION USING SPOTLIGHTING
AND ENHANCED SPREADSHEET COLLABORATION USING LIVE TYPING", which:

will	be	filed.	ASSIGNO	R he	reby	autho	orize	s, and	requ	uests,
ASSIG	NEE	'S legal	represent	ative	, Micr	osoft	Tech	nology	Licer	nsing,
LLC, 0	One	Microso	ft Way, Re	dmor	nd, Wa	ashing	ton 9	8052 (A	₹SSIG	NEE'S
LEGA	L RI	EPRESEN	TATIVES),	to i	nsert	here	in p	oarenth	eses	(filed
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the	follo	wing (Office)	this
APPLI	CAT	ION's Ap	oplication	No., f	iling c	late, a	nd O	ffice, wh	ien kr	nown;

was filed on <u>July 6, 2022</u> and was given Application No <u>17/858,360</u> by the following Office "<u>US Patent Office</u>";

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poliw	11 October 2022
Inventor's Signature	Date
Jeet Mukeshkumar PATEL	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

MS Docket No.: 411335-US-NP

I Sameer DESAI ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ENHANCED SPREADSHEET PRESENTATION USING SPOTLIGHTING AND ENHANCED SPREADSHEET COLLABORATION USING LIVE TYPING", which:

will be f	iled. /	ASSIGNOR	hereby	authorize	s, and	regu	ests,
ASSIGNEE'S	5 legal r	epresentati	ive, Micr	osaft Tech	nnology	Licens	sing,
LLC, One A	Alcrosoft	Way, Redn	nond, Wa	shington S	98052 (A	SSIGN	IEE'S
LEGAL REI	PRESENTA	ATIVES), to) insert	here in	parenthe	ses (filed
on							
the follow							
APPLICATIO	DN's App	lication No	., filing di	ate, and O	ffice, wh	en kno	wn;

was filed on July 6, 2022 and was given Application No 17/858,360 by the following Office "US Patent Office":

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	Application No.		
		Filing Date	
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Page 1 of 2

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Samuelal	7th OCTOBER 2022
Inventor's Signature	Date
Sameer DESAI	
Printed Name in English	Printed Name in Native Language (if other than English)

I Sha	ashank G	UPTA ("A	SSIGNOR") am	the origina	al invente	or or an	origina	al joint
inventor o	f subject	matter	("INVENTION") disclosed	and/or	claimed	in a	patent
application	entitled	"ENHANC	ED SPREADSH	HEET PRESEN	<u>NOITATION</u>	USING S	<u>POTLIC</u>	HTING
AND ENHA	NCED SPR	EADSHEET	COLLABORA	TION USING	LIVE TYP	<u>ING</u> ", whi	ch:	

ASSIGNEE'S legal representative, Microsoft Technology Licen LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGN LEGAL REPRESENTATIVES), to insert here in parentheses on and given Application No the following Office) APPLICATION'S Application No., filing date, and Office, when kn	ıthorizes,	hereby	ASSIGNO	e filed.	will b	
LEGAL REPRESENTATIVES), to insert here in parentheses on and given Application No the following Office)	oft Techn	tive, Micro	al represent	IEE'S leg	ASSIGN	
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Shed	October 7, 2022
Inventor's Signature	Date
Shashank GUPTA	SHASHANK GUPTA
Printed Name in English	Printed Name in Native Language
	(if other than English)