## 507308467 05/27/2022

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7355389

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HAOYU DONG	07/05/2018
SHI HAN	07/05/2018
ZHOUYU FU	07/06/2018
DONGMEI ZHANG	07/05/2018

## **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:	17744433

## **CORRESPONDENCE DATA**

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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.

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

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ATTORNEY DOCKET NUMBER:	404674-US-CNT/1777.A42US2
NAME OF SUBMITTER:	TYLYN MOORE
SIGNATURE:	/tylyn moore/
DATE SIGNED:	05/27/2022

### **Total Attachments: 9**

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PATENT REEL: 060043 FRAME: 0213

# RECORDATION FORM COVER SHEET PATENTS ONLY

Attv Ref/Docket No.: 404674-US-CNT (1777,A42US2) Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Microsoft Technology Licensing, LLC Haoyu DONG, Shi HAN, Zhouyu FU, Dongmei ZHĂNG Street Address: One Microsoft Way City: Redmond State: WA Zip Country: United States of America Additional name(s) of conveying party(ies) attached? Zip: 98052 [ ]Yes [X]No Additional name(s) & address(es) attached? []Yes 3. Nature of conveyance: [X]No [X] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other Execution Date: July 5, 2018, July 5, 2018, July 6, 2018, July 5, 2018 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Serial No. 17/744,433 Additional numbers attached? [ ]Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ <u>0.00</u> Name: Susan Yee [[Enclosed [Authorized to be charged to deposit account Address: 19-0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Please charge any additional fees or credit any over Minneapolis, Minnesota 55402 payments to our Deposit Account No.: 19-0743 DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. | Susan Yee May 27, 2022 Susan Yee/Reg. No. 41,388 Name of Person Signing Signature Date Total number of pages including cover sheet: 9 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks

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P.O. Box 1450

Alexandria, VA 22313-1450

PATENT REEL: 060043 FRAME: 0214

PATENT ASSIGN	MENTMS Docket No.:	404674-CN-NP
l Haovu Dong ("ASSIGNOR"	) am the original inventor	or an original joint inventor of
subject matter ("INVENTION") d		- ·
"TABLE DETECTION IN SPREADS		
☐ will be filed.	ASSIGNOR hereby auth	orizes, and requests,
ASSIGNEE'S legal	representative, Microsoft	Technology Licensing,
LLC, One Microso	ft Way, Redmond, Washing	gton 98052 (ASSIGNEE'S
LEGAL REPRESEN	TATIVES), to insert here	in parentheses (filed
on	and	given Application
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	lling date, and Office, whe	
was filed on <u>June</u>	<u>29. 2018</u> and was given A	pplication No
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Microsoft Technology Lie	censing, LLC, a Washingto	n limited liability company, on
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Page 1 of 2

PATENT ASSIGNMENTMS Docket No.: 404674-CN-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"));

董洁字 Haoyu 12ong	218.7.5	
Inventor's Signature	Date	
Haoyu Dong	董浩宇	
Printed Name in English	Printed Name in Native Language (if other than English)	

I Shi Han ("ASSIGNOR") a subject matter ("INVENTION") o "TABLE DETECTION IN SPREADS	disclosed and/or claimed i	• "	
ASSIGNEE'S legal LLC, One Microso LEGAL REPRESEN on No. Office	ASSIGNOR hereby auth representative, Microsoft oft Way, Redmond, Washing TATIVES), to insert here and by	Technology Licensing, gton 98052 (ASSIGNEE'S in parentheses (filed given Application the following ) 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"));			
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PATENT ASSIGNMENTMS Docket No.: 404674-CN-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"));

Shi Han	7/5/2018
Inventor's Signature	Date
Shi Han	韩石
Printed Name in English	Printed Name in Native Language
	(if other than English)

F	PATENT ASSIGN	MENTMS Docket No.:	404674-CN-NP
of subject m	natter ("INVENTION	N") disclosed and/or clai	r or an original joint invento med in a patent application " ("APPLICATION"), which:
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Page 1 of 2

	PATENT ASSIGNMENTMS Docket No.:	404674-CN-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"));

Zhonyn Fu	07/06/2018	
Inventor's Signature	Date	
Zhouyu Fu	<b>傅周宇</b>	
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

	PATENT ASSIGN	MENTMS Docket No.:	404674-CN-NP
	=	"INVENTION") disclosed	inventor or an original joint and/or claimed in a patent SPREADSHEET
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	ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT on No. Office	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing TATIVES), to insert here and by	Technology Licensing, gton 98052 (ASSIGNEE'S in parentheses (filed given Application the following ) this APPLICATION's
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behalf of its desirous of right of prior patents deriv	self and its succe acquiring, the enti rity, in the INVENTI ved therefrom, suc ited States, its t	ssors and assigns ("ASSI re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	n limited liability company, on GNEE"), is entitled to, and is the and interest, including the (and all other applications and ins, in whole or in part, in and ign countries ("APPLICATION
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Page 1 of 2

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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"));

Do Ngrui Zhani Inventor's Signature	July 3, 2018 Date
Dongmei Zhang	张冬梅
Printed Name in English	Printed Name in Native Language (if other than English)