506331829 10/30/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RUIHUA PENG	10/19/2020
MONICA MAN KAY TANG	10/21/2020
XIAOLING XU	10/30/2020

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:	17086010

CORRESPONDENCE DATA

Fax Number: (425)936-7329

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: 4255389035

Email: usdocket@microsoft.com MICROSOFT CORPORATION **Correspondent Name:**

Address Line 1: ONE MICROSOFT WAY

Address Line 4: **REDMOND, WASHINGTON 98052**

ATTORNEY DOCKET NUMBER:	408936-US-NP		
NAME OF SUBMITTER: CATHERINE POLANCE			
SIGNATURE:	/Catherine Polance/		
DATE SIGNED: 10/30/2020			

Total Attachments: 6

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PATENT REEL: 054229 FRAME: 0301 506331829

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PATENT REEL: 054229 FRAME: 0302

Application No. Filing Date Office

Page 1 of 2

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).

Inventor'y Signature

Date

Ruihua PENG

Printed Name in English

想批华

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT

l <u>Mon</u>	<u>ica Man K</u>	ay TANC	<u>:</u> ("ASSIG	NOR")	am the o	original inv	ventor or	an ori	gina	al joint
inventor of	subject	matter	("INVEN	TION")	disclos	sed and/d	or claime	d in	a	patent
application	entitled	" <u>INTERC</u>	<u>ONNECT</u>	FOR	<u>DIRECT</u>	MEMORY	ACCESS	CONT	'RO	<u>LLERS</u> "
("APPLICATION	ON"), whic	ch:								

MS Docket No.: <u>408936-US-NP</u>

\times	will	be	filed.	ASSIGNO	OR	hereby	auth	orizes,	and	reque	sts,
	ASSI	GNE	E'S lega	l represer	ıtati	ve, Micı	rosoft	Techno	ology	Licensi	ng,
	LLC,	One	Micros	oft Way, R	edm	iond, Wa	ashing	ton 980)52 (A	ASSIGNE	E'S
Ос				TATIVES), and g							o by
	the f	ollo	wing Off	ice <u>US – U</u>	nite	d States	Patent	and Tr	adem	ark Off	ice)
	this	APP	LICATIO	N's Applio	atio	n No.,	filing	date, a	nd Of	fice, w	hen
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	was	filed	l on		a	nd was	given <i>i</i>	Applica [.]	tion N	0	
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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.: <u>408936-US-NP</u>

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).

Inventor's Signature

Date

Monica Man Kay TANG

Printed Name in English

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT	Γ MS Docket	No.: <u>408936-US-NP</u>
of subject matter ("INVENTION	N") disclosed and/or clai	or or an original joint invento med in a patent application ACCESS CONTROLLERS
ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT October 30, 2020 the following Of	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing ATIVES), to insert here in part and given Application No., CATION's Application No.,	Technology Licensing, gton 98052 (ASSIGNEE'S parentheses (filed on No. 17/086,010 by Patent and Trademark
	and was given . Office "	
Microsoft Technology Lidbehalf of itself and its succe desirous of acquiring, the enti- right of priority, in the INVENTI patents derived therefrom, suc- for the United States, its to DERIVATIVES"));	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert the following table for any APPLICA	ne Application No., filin	
Application No.	Filing Date	Office

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HAR-	10/30/2020
Inventor's Signature	Date
Xiaoling XU	
Printed Name in English	Printed Name in Native Language
	(if other than English)