PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4831463

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the EXECUTION DATE OF INVENTOR JIE LIU TO "10/11/2017," PREVIOUSLY RECORDED INCORRECTLY AS "11/11/2017" previously recorded on Reel 044834 Frame 0176. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
JIE LIU	10/11/2017
NISSANKA ARACHCHIGE BODHI PRIYANTHA	01/08/2018
LUCAS N JOPPA	08/10/2017
QIANG XU	07/13/2017

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:	15621816

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: SCHWEGMAN LUNDBERG & WOESSNER P.A.

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0938

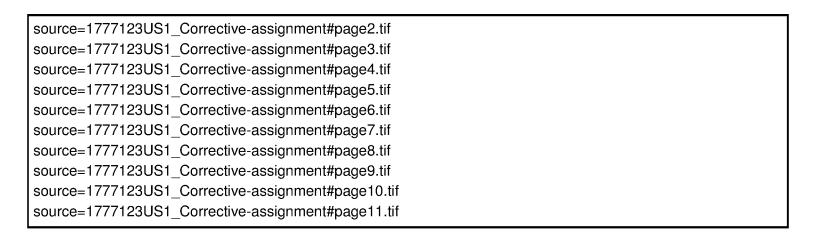
ATTORNEY DOCKET NUMBER: 401880-US-NP(1777.123US1)		
NAME OF SUBMITTER:	TYLYN MOORE	
SIGNATURE:	/tylyn moore/	
DATE SIGNED:	02/20/2018	

Total Attachments: 11

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PATENT REEL: 045373 FRAME: 0450

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PATENT REEL: 045373 FRAME: 0451



United States Patent and Trademark Office





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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
JIE LIU	11/11/2017
NISSANKA B. PRIYANTHA	01/08/2018
LUCAS N JOPPA	08/10/2017
QIANG XU	07/13/2017

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Postal Code:	98052		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15621816

PATENT

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Email: usdocket@microsoft.com

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number, if provided; if that is unsuccessful, it will be sent via US Mail.

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER P.A.

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0938

ATTORNEY DOCKET

NUMBER:

401880-US-NP(1777.123US1)

NAME OF SUBMITTER:

TYLYN MOORE

Signature:

/tylyn moore/

Date:

02/05/2018

Total Attachments: 9

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Application		Filing Date	Office	
Lunning				

MS Docket No.: 401880-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"));

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).

	10/11/2017
Inventor's Signature	Date
Jie Liu	刻動
Printed Name in English	Printed Name in Native Language
	(if other than English)

inventor of application	subject matter	("INVENTION") dis	ne original inventor or closed and/or claim <u>E ACQUISITION GLOB</u>	ed in a patent
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APPLICATION	DERIVATIVES aft	er they are known;		
Application	No.	Filing Date	Office	

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Messenby & Program the	01/08/2-018
Inventor's Signature	Date '
Nissanka B Priyantha	Edwar & Gura
Printed Name in English	Printed Name in Native Language (if other than English)

of subject m	atter ("INVENTIO	N") disclosed and/or cl	inventor or an original joir aimed in a patent application NAVIGATION SATELLITE	on entitled
	ASSIGNEE'S leg LLC, One Micro LEGAL REPRESI on the following	ial representative, Micosoft Way, Redmond, WENTATIVES), to inserted and given Apple Office	authorizes, and reque rosoft Technology Licensi ashington 98052 (ASSIGNE here in parentheses (fi ication No) date, and Office, when kno	ng, EE'S lled _by this
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behalf of itse of acquiring, priority, in th derived there United States ASSIG	elf and its succes, the entire and ne INVENTION arefrom, such as continues, its territories, NOR hereby auth	sors and assigns ("ASSI exclusive rights, title nd the APPLICATION (ar continuing applications and all foreign countri norizes, and requests, a	nington limited liability cor GNEE"), is entitled to, and it and interest, including the nd all other applications ar i, in whole or in part, in a es ("APPLICATION DERIVAT	s desirous e right of nd patents nd for the IVES"));
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Application	No.	Filing Date	Office	

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Javentof a Signature

Lucas N Joppa

Printed Name in English

Date

Printed Name in Native Language (if other than English)

I Qiang Xu ("ASSIGNOR") a subject matter ("INVENTION") dis "CLOUD OFFLOADED DEVICE AC which:	sclosed and/or claimed in	• • • • • • • • • • • • • • • • • • • •
ASSIGNEE'S legal r LLC, One Microsoft LEGAL REPRESENTA on the following Of APPLICATION's App was filed on June 1	ASSIGNOR hereby author epresentative, Microsoft Way, Redmond, Washingt ATIVES), to insert here and given Application fice and siven Application No., filing date, and a given Application No., filing date, and was given Application Mo., following Office "US Pater"	Technology Licensing, on 98052 (ASSIGNEE'S in parentheses (filed No by) this ad Office, when known;
Microsoft Technology Lice behalf of itself and its successors of acquiring, the entire and exc priority, in the INVENTION and the derived therefrom, such as cont United States, its territories, and	and assigns ("ASSIGNEE"), clusive rights, title and in ne APPLICATION (and all o inuing applications, in wh	terest, including the right of ther applications and patents ole or in part, in and for the
ASSIGNOR hereby authorize to insert the Application No., fit APPLICATION DERIVATIVES after	ling date, and Office into	EE'S LEGAL REPRESENTATIVES the following table for any
Application No.	Filing Date	Office

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aing du	July 13, 2017	
Inventor's Signature	Date	
Qiang Xu	许强	
Printed Name in English	Printed Name in Native Language (if other than English)	