504176370 01/12/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID LU	01/06/2017
ALLEN L. USSHER	01/11/2017
JENNIFER L. BOST	01/09/2017
BRIAN S. STUCKER	01/06/2017

RECEIVING PARTY DATA

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Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15403737

CORRESPONDENCE DATA

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Address Line 4: MILWAUKEE, WISCONSIN 53202

ATTORNEY DOCKET NUMBER: 401046-US-NP (9012-US)

NAME OF SUBMITTER: DEREK C. STETTNER

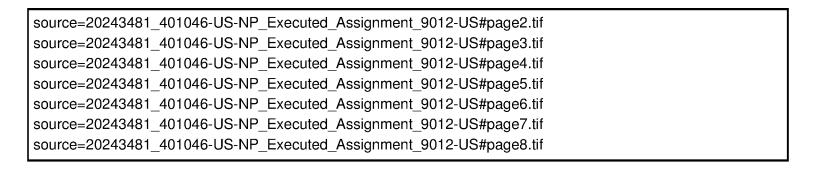
/derek c. stettner/

DATE SIGNED: 01/12/2017

Total Attachments: 8

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PATENT REEL: 040960 FRAME: 0874



PATENT REEL: 040960 FRAME: 0875

	PATENT	ASSIGNMENT	Docket No	: 401046-US-NP (9012-US)
I_	David Lu	("ASSIGNOR") an	n the original	inventor or an original joint
		natter ("INVENTION" <u>ATIVE NARRATION</u> "		and/or claimed in a patent N"), which:
	ASSIGNEE' LLC, One I LEGAL RE on _ No. Office	S legal representati Microsoft Way, Redn PRESENTATIVES), to	ve, Microsoft nond, Washing insert here and by	the following) this APPLICATION's
	☐ was filed o	on a	nd was given .	Application
	No	by the fo	ollowing Office	<u>)</u>
behalf of desirous right of p patents d	itself and it of acquiring, b riority, in the lerived therefro United States	s successors and a the entire and exclu INVENTION and the om, such as continu	issigns ("ASSIG Isive rights, ti APPLICATION (Iing applicatio	n limited liability company, on GNEE"), is entitled to, and is tle and interest, including the (and all other applications and ns, in whole or in part, in and gn countries ("APPLICATION
REPRESEN	ITATIVES to i	reby authorizes, nsert the Applicat APPLICATION DERIV	ion No., filin	uests, ASSIGNEE'S LEGAL g date, and Office into the ney are known;
Application		Filing Date		Office
				
		1		

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")):

AMMA	1/6/2017
Inventor's Signature	Date
David Lu	
Printed Name in English	Printed Name in Native Language (if other than English)

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"));

filen Muska	1/11/2017	
Inventor's Signature	Date	
Allen L. Ussher		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

	PATENT ASSIGN	MENI Doc	ket No.: 401046-US-N	IL (3012-03)
joint invento	or of subject matte		the original inventor of sclosed and/or claimed CATION"), which:	
	will be filed. ASSIGNEE'S legal LLC, One Microsol LEGAL REPRESENT on No. Office	ASSIGNOR hereby representative, Micoft Way, Redmond, WTATIVES), to insert and	authorizes, and recoversoft Technology Lice Ashington 98052 (ASSI) there in parentheses d given Apply the follow	ensing, GNEE'S (filed lication llowing
	No	and was by the following ";		
behalf of its desirous of right of prio patents deri for the Un DERIVATIVES	self and its succe acquiring, the enti rity, in the INVENTI ved therefrom, such the States, its	ssors and assigns re and exclusive rig ION and the APPLICA th as continuing app territories, and all	chington limited liability ("ASSIGNEE"), is entitle ghts, title and interest, ATION (and all other ap plications, in whole or i I foreign countries (requests, ASSIGN	ed to, and is including the plications and in part, in and "APPLICATION
REPRESENTA	ATIVES to insert t	he Application No	., filing date, and O after they are known;	
Application		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"));

Jennye Bost Inventor's Signature	1/9/2017
Jennifer L. Bost	Date
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT Docket No.: 401046-US-NP (9012-US)

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"));

35/	Jan 6, 2017
Inventor's Signature	Date
Brian S. Stucker	
Printed Name in English	Printed Name in Native Language
	(if other than English)