504732192 01/16/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KIRIL NIKOLOV SEKSENOV	11/27/2017
KIRUPA CHINNATHAMBI	11/27/2017
KEVIN JASON HILL	01/09/2018
JEFFREY CLARK BURTOFT	11/20/2017

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:	15823520

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.

Phone: 408-244-6319

Email: usdocket@microsoft.com

Correspondent Name: FOUNTAINHEAD LAW GROUP P.C. NON-EXPORT

Address Line 1: 900 LAFAYETTE STREET

Address Line 2: SUITE 301

Address Line 4: SANTA CLARA, CALIFORNIA 95050

ATTORNEY DOCKET NUMBER:	403227-US-NP
NAME OF SUBMITTER:	ANDREW J. LEE
SIGNATURE:	/Andrew J. Lee/
DATE SIGNED:	01/16/2018

Total Attachments: 8

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PATENT REEL: 044632 FRAME: 0479

	'ENTION") disclosed and/o	inal inventor or an original joint r claimed in a patent application ICATION"), which:
legal representa Microsoft Way, REPRESENTATIVES on following Office <u>l</u>	tive, Microsoft Technol Redmond, Washington), to insert here and given Applicatio	n No by the <u>and Trademark Office</u>) this
		ven Application <u>"US – United States Patent</u>
behalf of itself and its successor acquiring, the entire and exclus the INVENTION and the APPL	ors and assigns ("ASSIGNEE sive rights, title and intere LICATION (and all other applications, in whole or in	gton limited liability company, on E"), is entitled to, and is desirous of st, including the right of priority, in applications and patents derived n part, in and for the United States, RIVATIVES"));
•	iling date, and Office i	GNEE'S LEGAL REPRESENTATIVES to into the following table for any
Application No.	Filing Date	Office

MS Docket No.: 403227-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).

and the state of t		
K Shus	11/21/2017	
Inventor's Signature	Date	
Kiril Nikolov SEKSENOV		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

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No 15/823,520 k	was filed on November 27, 2017 and was given Application No 15/823,520 by the following Office "US – United States Patent and Trademark 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"));				
ASSIGNOR hereby autho	rizes, and requests, ASSIC	GNEE'S LEGAL REPRESENTATIVES to		
•	•	nto the following table for any		
APPLICATION DERIVATIVES afte				
Application No.	Filing Date	Office		

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Linga =	11/27/2016
Inventor's Signature	Date
Kirupa CHINNATHAMBI	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 403227-US-NP

of subject m	atter ("INVENTION"	,	ventor or an original joint invento d in a patent application entitled N"), which:	r	
	legal representa Microsoft Way, REPRESENTATIVES on following Office L	tive, Microsoft Technol Redmond, Washington), to insert here and given Applicatio	on No by the and Trademark Office) this		
	was filed on <u>November 27, 2017</u> and was given Application No 15/823,520 by the following Office " <u>US – United States Patent and Trademark Office</u> ";				
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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"));

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Inventor's Signature

Kevin Jason HILL

Printed Name in English

Date

Printed Name in Native Language

MS Docket No.: 403227-US-NP

(if other than English)

<u> </u>	(ENTION") disclosed and/o	nal inventor or an original joint or claimed in a patent application LICATION"), which:	
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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"));

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	Nov. 20, 2017 Date
Jeffrey Clark BURTOFT Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 403227-US-NP