504644274 11/15/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4690994

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SAMUEL JOHN GEORGE	10/13/2017
CAMERON WILLIAM SKINNER	10/16/2017
ELIO DAMAGGIO	10/19/2017
AFFAN DAR	10/16/2017
MICHAEL R. YAGLEY	10/23/2017
VARUN PURANIK	10/26/2017
ANCA MIHAELA ANTOCHI	10/29/2017

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:	15784046

CORRESPONDENCE DATA

Fax Number: (425)633-2422

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: 4256332422

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Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	402763-US-NP
NAME OF SUBMITTER:	DAVIN CHIN
SIGNATURE:	/Davin Chin/
DATE SIGNED:	11/15/2017

PATENT 504644274 REEL: 044137 FRAME: 0592

Total Attachments: 14 source=402763-US-NP-Assignments#page1.tif source=402763-US-NP-Assignments#page2.tif source=402763-US-NP-Assignments#page3.tif source=402763-US-NP-Assignments#page4.tif source=402763-US-NP-Assignments#page5.tif source=402763-US-NP-Assignments#page6.tif source=402763-US-NP-Assignments#page7.tif source=402763-US-NP-Assignments#page8.tif source=402763-US-NP-Assignments#page9.tif source=402763-US-NP-Assignments#page10.tif source=402763-US-NP-Assignments#page11.tif source=402763-US-NP-Assignments#page12.tif source=402763-US-NP-Assignments#page13.tif source=402763-US-NP-Assignments#page13.tif source=402763-US-NP-Assignments#page14.tif

PATENT REEL: 044137 FRAME: 0593

PATENT A	ASSIGNMENT M	S Docket No.: <u>402763-US-NF</u>
I <u>Samuel John GEORGE</u> (inventor of subject matter (application entitled " <u>DISTRIBU</u> which:	"INVENTION") disclosed	
ASSIGNEE'S legal LLC, One Microso LEGAL REPRESEN on the following C	ASSIGNOR hereby authorepresentative, Microsoft ft Way, Redmond, Washing TATIVES), to insert here and given Application office plication No., filing date, a	Technology Licensing, iton 98052 (ASSIGNEE'S in parentheses (filed by
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behalf of itself and its successor of acquiring, the entire and ex priority, in the INVENTION and t derived therefrom, such as con- linited States, its territories, and	s and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all otinuing applications, in what all foreign countries ("APIZES, and requests, ASSIGN iling date, and Office into	iterest, including the right on other applications and patents note or in part, in and for the PLICATION DERIVATIVES")); EE'S LEGAL REPRESENTATIVES
Application No.	Filing Date	Office

Page 1 of 2

PATENT REEL: 044137 FRAME: 0594

MS Docket No.: 402763-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).

| Date |

MS Docket No.: 4	02763-US-NP
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joint invento	or of subject matte	er ("INVENTION") disclosed	riginal inventor or an original I and/or claimed in a patent <u>E DEVICES</u> " ("APPLICATION"),
	will be filed.	ASSIGNOR hereby author	orizes, and requests,
	LLC, One Microsof LEGAL REPRESENT on	representative, Microsoft it Way, Redmond, Washing FATIVES), to insert here and given Application office	ton 98052 (ASSIGNEE'S in parentheses (filed Noby
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MS Docket No.: <u>402763-US-NP</u>

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Inventor's Signature

Cameron William SKINNER

Printed Name in English

Printed Name in Native Language
(if other than English)

•	PAIENI A	SSIGNMENI I	MS Docket No.: <u>402/63-US-NP</u>
inventor of	subject matter ('	INVENTION") disclosed	l inventor or an original joint and/or claimed in a patent O <u>GE DEVICES</u> " ("APPLICATION"),
	ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on the following O	representative, Microsoft Way, Redmond, Washin TATIVES), to insert her and given Application	horizes, and requests, it Technology Licensing, igton 98052 (ASSIGNEE'S e in parentheses (filed on No
		er 13, 2017 and was give following Office " <u>U.S. P</u>	
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MS Docket No.: <u>402763-US-NP</u>

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El Dy	10/19/2017
Inventor's Signature	Date
Elio DAMAGGIO	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS	Docket	No.:	402763-U	JS-NP

subject matter	("INVENTION") di		or an original joint inventor of n a patent application entitled ON"), which:
AS LL LE on the	SIGNEE'S legal in C, One Microsoft GAL REPRESENT in Line Collowing Of	ASSIGNOR hereby authorepresentative, Microsoft Way, Redmond, Washing ATIVES), to insert here and given Application ffice	Technology Licensing, gton 98052 (ASSIGNEE'S in parentheses (filed how) by this
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0.1/	10/16/2017.	
Inventor's Signature	Date .	
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	PATENT AS	SSIGNMENT MS	S Docket No.: <u>402763-US-NP</u>
inventor of	subject matter ("	NVENTION") disclosed a	inventor or an original joint nd/or claimed in a patent <u>E DEVICES</u> " ("APPLICATION"),
	ASSIGNEE'S legal in LLC, One Microsoft LEGAL REPRESENT on the following Of	ASSIGNOR hereby authorepresentative, Microsoft Way, Redmond, Washingth ATIVES), to insert here and given Application office	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed Noby
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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"));

and Rypy	10/23/2017
Inventor's Signature	Date
Michael R. YAGLEY	
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>Varun PURANIK</u> ("ASSI inventor of subject matter ('application entitled " <u>DISTRIBU</u> which:	"INVENTION") disclosed a	
ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on the following C APPLICATION's Ap was filed on Octob	ASSIGNOR hereby authorepresentative, Microsoft Way, Redmond, Washing TATIVES), to insert here and given Application office plication No., filing date, and was given following Office "U.S. Pate following Office"	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No by) this and Office, when known;
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Page 1 of 2

MS Docket No.: 402763-US-NP

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OD	
-formal-	10/26 /2017
Inventor's Signature	Date
Varun PURANIK	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT.	ASSIGNMENT	MS Docket No.: <u>402763-US-NP</u>
		iginal inventor or an original joint d and/or claimed in a patent
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ASSIGNEE'S legal LLC, One Microso LEGAL REPRESEN on the following APPLICATION's A	representative, Micros oft Way, Redmond, Wash ITATIVES), to insert he and given Applicat Office pplication No., filing date ber 13, 2017 and was g	e, and Office, when known; iven Application No
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Ant	10/29/2017	
Inventor's Signature	Date	
Anca Mihaela ANTOCHI		
Printed Name in English	Printed Name in Native	e Language
	(if other than English)	1