PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4494681

NATURE OF CONVEYANCE: Corrective Assignment to correct the EXECUTION DATES previously recorded on Reel 039335 Frame 0770. Assignor(s) hereby confirms the ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS	SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
	NATURE OF CONVEYANCE:	recorded on Reel 039335 Frame 0770. Assignor(s) hereby confirms the ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR

CONVEYING PARTY DATA

Name	Execution Date
JUUSO PETTERI GREN	08/01/2016
MARTTI OLAVI ILMONIEMI	08/01/2016

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:	15227805

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.

314-302-1451 Phone: Email: docket@bjfip.com

Correspondent Name: BARTA, JONES & FOLEY, P.C. 2805 N. DALLAS PARKWAY Address Line 1:

Address Line 2: SUITE 222

Address Line 4: PLANO, TEXAS 75093

ATTORNEY DOCKET NUMBER:	360305.01
NAME OF SUBMITTER:	HOLLI L. TEMPLETON
SIGNATURE:	/Holli L. Templeton/
DATE SIGNED:	07/08/2017

Total Attachments: 7

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PATENT REEL: 043126 FRAME: 0770



United States Patent and Trademark Office





Electronic Patent Assignment System

Confirmation Receipt

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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
JUUSO PETTERI GREN	07/08/2016 08/01/2016
MARTTI OLAVI ILMONIEMI	07/08/2016 08/01/2016

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Application Number:	15227805

CORRESPONDENCE DATA

Fax Number:

Phone: 314-302-1451
Email: usdocket@microsoft.com

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PATENT REEL: 043126 FRAME; 9771 3:59 PM

Correspondent Name: BARTA, JONES & FOLEY, P.C. (PATENT GROUP Address Line 1: 2805 DALLAS PARKWAY Address Line 2: SUITE 222 Address Line 4: PLANO, TEXAS 75093 ATTORNEY DOCKET NUMBER: 360305.01 NAME OF SUBMITTER: HOLLI L. TEMPLETON Signature: /Holli L. Templeton/ Date: 08/03/2016 **Total Attachments: 4** source=360305-01-Assignment#page1.tif source=360305-01-Assignment#page2.tif source=360305-01-Assignment#page3.tif source=360305-01-Assignment#page4.tif RECEIPT INFORMATION EPAS ID: PAT3991754 Receipt Date: 08/03/2016

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PATENT ASSIGNMENT MS Docket No.: 360305.01

application	entitled "COM		osed and/or claimed in a pa LIGNED TO REFERENCE FRA	
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	ASSIGNEE'S legal LLC., One Micon Mic	Il representative, Midicrosoft Way, Red EGAL REPRESENTAT ed on <u>August 3, 20</u> 227,805 b	mark_) this APPLICATION's	

	was filed on	and was	given Application	
	No	by the following	g Office	
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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).

-)	7.8.2016
Inventor's Signature	Date
Juuso Petteri GREN	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I Martti Olavi ILMONIEMI ("ASSIGNOR") am the original inventor or an original

			ed and/or claimed in a patent D TO REFERENCE FRAME"
("APPLICATION	"), which:		
A L (/ p N O	SSIGNEE'S legal LC., One Mic ASSIGNEE'S LEC arentheses (filed lo	ASSIGNOR hereby autrepresentative, Microsoft rosoft Way, Redmond AL REPRESENTATIVES), on August 3, 2016 by tes Patent & Trademark ling date, and Office, who	t Technology Licensing, l, Washington 98052 to insert here in and given Application the following) this APPLICATION's
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behalf of itsel desirous of acc right of priority patents derived	f and its succest quiring, the entiry, in the INVENTION of therefrom, such the States, its t	ssors and assigns ("ASS re and exclusive rights, to ON and the APPLICATION to as continuing application	on limited liability company, on IGNEE"), is entitled to, and is itle and interest, including the (and all other applications and ons, in whole or in part, in and eign countries ("APPLICATION
ASSIGNO	OR hereby	authorizes, and rec	uests, ASSIGNEE'S LEGAL
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Page 1 of 2

MS Docket No.: <u>360305.01</u>

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Hadd Z	1.8.2016 Date
Martti Olavi ILMONIEMI Printed Name in English	MARTTI OLAVI ILMONIEM (Printed Name in Native Language (if other than English)