

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4561252

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MOSES YAP	08/09/2017
KEITH ROBERT KINNAN	08/08/2017
SEAN RICHARD SMITH	08/21/2017
DERRICK YEQIANG QUAN	08/09/2017
JASON THOMAS MCNAMEE	08/08/2017
SALIHA AZZAM	08/04/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROSOFT TECHNOLOGY LICENSING, LLC
<b>Street Address:</b>	ONE MICROSOFT WAY
<b>City:</b>	REDMOND
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15683407
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(425)936-7329
<i>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.</i>	
<b>Phone:</b>	425-707-9382
<b>Email:</b>	USDocket@microsoft.com
<b>Correspondent Name:</b>	ASSAL MEFTAHI
<b>Address Line 1:</b>	ONE MICROSOFT WAY
<b>Address Line 2:</b>	PATENT GROUP DOCKETING DEPT
<b>Address Line 4:</b>	REDMOND, WASHINGTON 98052
<b>ATTORNEY DOCKET NUMBER:</b>	402312-US-NP
<b>NAME OF SUBMITTER:</b>	VLADIMIR A. KOZYREV
<b>SIGNATURE:</b>	/Vladimir A. Kozyrev/
<b>DATE SIGNED:</b>	08/22/2017

**Total Attachments: 12**

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source=402312-US-NP Executed Assignments#page12.tif

I Moses YAP ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "NETWORK GRAPHING SELECTOR" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on August 22, 2017 and given Application No. 15/683,407 by the following Office \_\_\_\_\_) this APPLICATION's Application No., filing date, and Office, when known;

was filed on \_\_\_\_\_ and was given Application No \_\_\_\_\_ by the following Office " \_\_\_\_\_";

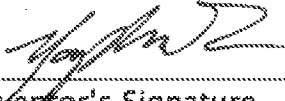
Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (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"));

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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	<u>Aug 9, 2017</u> Date
Moses YAP Printed Name in English	 Printed Name in Native Language (if other than English)

I Keith Robert KINNAN ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "NETWORK GRAPHING SELECTOR" ("APPLICATION"), which:

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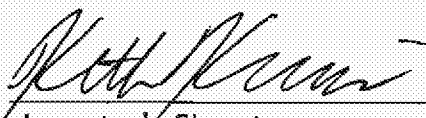
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 _____ Inventor's Signature	<u>8/8/2017</u> _____ Date
Keith Robert KINNAN _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Sean Richard SMITH (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “NETWORK GRAPHING SELECTOR” (“APPLICATION”), which:

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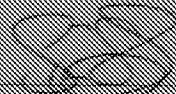
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PATENT ASSIGNMENT

MS DocId No. 40331213 SP

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	<u>08/21/2017</u>
Inventor's Signature	Date
Sean Richard SMITH	
Printed Name in English	Printed Name in Native Language (if other than English)



I Derrick Yeqiang QUAN ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "NETWORK GRAPHING SELECTOR" ("APPLICATION"), which:

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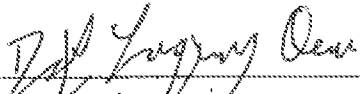
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 Inventor's Signature	<u>8/9/2017</u> Date
Derrick Yeqiang QUAN Printed Name in English	 Printed Name in Native Language (if other than English)

I Jason Thomas MCNAMEE (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “NETWORK GRAPHING SELECTOR” (“APPLICATION”), which:

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 _____ Inventor's Signature	<u>August 8<sup>th</sup>, 2017</u> _____ Date
<u>Jason Thomas MCNAMEE</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Saliha AZZAM (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “NETWORK GRAPHING SELECTOR” (“APPLICATION”), which:

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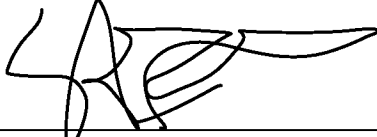
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 _____ Inventor's Signature	8/4/17 _____ Date
Saliha AZZAM _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)