### 08/22/2017 504514547

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4561252

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
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

### **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:	15683407

### **CORRESPONDENCE DATA**

Fax Number: (425)936-7329

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: 425-707-9382

USDocket@microsoft.com Email:

**ASSAL MEFTAHI Correspondent Name:** 

Address Line 1: ONE MICROSOFT WAY

Address Line 2: PATENT GROUP DOCKETING DEPT Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	402312-US-NP
NAME OF SUBMITTER:	VLADIMIR A. KOZYREV
SIGNATURE:	/Vladimir A. Kozyrev/
DATE SIGNED:	08/22/2017

**PATENT** REEL: 043358 FRAME: 0971 504514547

# Total Attachments: 12 source=402312-US-NP Executed Assignments#page1.tif source=402312-US-NP Executed Assignments#page2.tif source=402312-US-NP Executed Assignments#page3.tif source=402312-US-NP Executed Assignments#page4.tif source=402312-US-NP Executed Assignments#page5.tif source=402312-US-NP Executed Assignments#page6.tif source=402312-US-NP Executed Assignments#page7.tif source=402312-US-NP Executed Assignments#page8.tif source=402312-US-NP Executed Assignments#page9.tif source=402312-US-NP Executed Assignments#page10.tif source=402312-US-NP Executed Assignments#page11.tif source=402312-US-NP Executed Assignments#page11.tif

PATENT REEL: 043358 FRAME: 0972

MS Docket No.: 402312-US-NP

of subject matter ("INVENTION of subject matter ("INVENTION of subject matter ("INVENTION of subject the following O	ION") disclosed and GSELECTOR" ("APPLI ASSIGNOR herebal representative, Masoft Way, Redmond, NTATIVES), to insert	Il inventor or an original joint inven d/or claimed in a patent applicati ICATION"), which: by authorizes, and requests, Microsoft Technology Licensing, Washington 98052 (ASSIGNEE'S here in parentheses (filed on lication No. 15/683,407 by this filing date, and Office, when	
		as given Application No ";	
behalf of itself and its such desirous of acquiring, the en right of priority, in the INVEN patents derived therefrom, su	cessors and assigns itire and exclusive r TION and the APPLIC uch as continuing ap	ashington limited liability company, is ("ASSIGNEE"), is entitled to, and rights, title and interest, including to CATION (and all other applications a pplications, in whole or in part, in a all foreign countries ("APPLICATION)	is the ind
REPRESENTATIVES to insert	the Application No	d requests, ASSIGNEE'S LEG Io., filing date, and Office Into t S after they are known;	
Application No.	Filing Date	Office	

MS Docket No.: 402312-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).

lovemor's Signature

Date

Moses YAP

Printed Name in English

Printed Name in Native Language

(if other than English)

PATE	NT ASSIGNMEN	T MS	Docket No.: <u>402312-US-NP</u>	
inventor of	subject matter (	("INVENTION") disc	e original inventor or an original closed and/or claimed in a p <u>OR</u> " ("APPLICATION"), which:	
	will be filed. ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT	ASSIGNOR hereb representative, M ft Way, Redmond, ' 'ATIVES), to insert I	y authorizes, and requests, icrosoft Technology Licensing, Washington 98052 (ASSIGNEE'S here in parentheses (filed on cation No. 15/683,407 by	
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			s given Application No	
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Page 1 of 2

MS Docket No.: 402312-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"));

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Inventor's Signature

Keith Robert KINNAN

Printed Name in English

Date

Printed Name in Native Language

(if other than English)

MS Docket No.: 402312-US-NP

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inventor of subject matter (	"INVENTION") disclosed	•
application entitled "NETWORK	<u>GRAPHING SELECTOR</u> " ("AI	PPLICATION"), which:
ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing ATIVES), to insert here in pand given Application N	Technology Licensing, gton 98052 (ASSIGNEE'S parentheses (filed on
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REPRESENTATIVES to insert the	he Application No., filin	•
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Application No.	Filing Date	Office

Sean Richard SM TH

Printed Name in English

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Printed Name in Native Language of other than English:

PATE	NT ASSIGNMENT	M	S Docket No.: 40231	<u>2-US-NP</u>
l <u>Der</u> i	rick Yeqiang QUAN	("ASSIGNOR") a	m the original inve	ntor or an original
	or of subject matte entitled " <u>NETWORK (</u>			claimed in a patent N"), which:
$\boxtimes$	will be filed.	ASSIGNOR here	by authorizes, ar	nd requests,
	ASSIGNEE'S legal	representative, I	Microsoft Technolog	gy Licensing,
			, Washington 98052	
			here in parenthese	
			lication No. 15/683	
			filing date, and (	
	known;	prication 110.,	ining dute, and	Jinee, When
	was filed on	and w	as given Applicatior	ı No
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Application I		Filing Date	Office	/ <b>***</b> F F
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MS Docket No.: 402312-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).

PN Yngry Oeu 8/9/2017

hventor's Signature

Date

Derrick Yegiang QUAN

Printed Name in English

Printed Name in Native Language

(if other than English)

MS Docket No.: <u>402312-US-NP</u>

l <u>Jaso</u>	n Thomas MCNAM	EE ("ASSIGNOR") am the o	original inventor or an origina
joint invento	or of subject matte	er ("INVENTION") disclose	d and/or claimed in a paten
application 6	entitled " <u>NETWORK</u>	GRAPHING SELECTOR" ("A	PPLICATION"), which:
$\boxtimes$	will be filed.	ASSIGNOR hereby auth	orizes, and requests,
	ASSIGNEE'S legal	representative, Microsoft	Technology Licensing,
	LLC, One Microso	ft Way, Redmond, Washing	gton 98052 (ASSIGNEE'S
	LEGAL REPRESENT	ATIVES), to insert here in	parentheses (filed on
		and given Application I	
		ce	
		application No., filing d	
	known;		
	was filed on	and was given	Application No
	by the following (	 Office "	". ————————————————————————————————————
	,		
Micro	soft Technology Li	censing, LLC, a Washingto	n limited liability company, or
behalf of its	self and its succe	ssors and assigns ("ASSI	GNEE"), is entitled to, and is
desirous of	acquiring, the enti	re and exclusive rights, ti	tle and interest, including the
right of prio	rity, in the INVENTI	ON and the APPLICATION	(and all other applications and
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Application I		Filing Date	Office

MS Docket No.: 402312-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"));

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ventor's Signature

Jason Thomas MCNAMEE

Printed Name in English

ate

Printed Name in Native Language (if other than English)

MS Docket No.: <u>402312-US-NP</u>

I <u>Saliha AZZAM</u> ("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:

$\boxtimes$	will	be	filed.	ASSIGNOR	hereby	authorizes,	and	reques	sts,
	ASSIC	GNEE	e'S legal	representa	tive, Mici	osoft Techno	ology	Licensi	ng,
	LLC,	One	Microso	ft Way, Red	mond, Wa	ashington 98	052 (A	SSIGNE	E'S
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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 authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

Application No.	Filing Date	Office

MS Docket No.: 402312-US-NP

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Inventor's Signature

Date

Saliha AZZAM

Printed Name in English

Printed Name in Native Language (if other than English)