# 505008650 07/18/2018

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the TO CORRECT ASSIGNEE PARTY previously recorded on Reel 046037 Frame 0023. Assignor(s) hereby confirms the ASSIGNMENT.	

### **CONVEYING PARTY DATA**

Name	Execution Date
JIAHE HELEN WANG	06/13/2007
XIAOFENG FAN	06/13/2007
JONATHAN RYAN HOWELL	06/13/2007
COLLIN EDWARD JACKSON	06/13/2007
ZHENBIN XU	06/13/2007

### **RECEIVING PARTY DATA**

Name:	MICROSOFT CORPORATION	
Street Address:	ONE MICROSOFT WAY	
City:	REDMOND	
State/Country:	WASHINGTON	
Postal Code:	98052	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16004382

### 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.

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ATTORNEY DOCKET NUMBER:	320952-US-CNT
NAME OF SUBMITTER:	KATHERINE WILSON
SIGNATURE:	/Katherine Wilson/
DATE SIGNED:	07/18/2018
Total Attachmenter 6	

### Total Attachments: 6

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CONVEYING PA	ARTY DATA		
	N	Vame	Execution Date
JIAHE HELEN V	WANG		06/13/2007
XIAOFENG FAI	J		06/13/2007
JONATHAN RY.	AN HOWELL		06/13/2007
COLLIN FDWA	RD JACKSON 06/13/200		06/13/2007
COLLIN LD WIT			
ZHENBIN XU			06/13/2007
ZHENBIN XU	RTY DATA	TECHNOLOGY LICENSIN	
ZHENBIN XU RECEIVING PA	RTY DATA		
ZHENBIN XU RECEIVING PA Name:	RTY DATA		
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CORRESPONDENCE DATA		
Correspondence will be sent to the e-mail addnumber, if provided; if that is unsuccessful, ifCorrespondent Name:MICROSODAddress Line 1:ONE MICR	nicrosoft.com tress first; if that is unsuccessful, it will be sent using a fax	
ATTORNEY DOCKET NUMBER:	320952-US-CNT	
NAME OF SUBMITTER:	KATHERINE WILSON	
Signature: /Katherine Wilson/		
Date:	06/09/2018	
Total Attachments: 4 source=320952-US-CNT-Assignments#page1.tif source=320952-US-CNT-Assignments#page2.tif source=320952-US-CNT-Assignments#page3.tif source=320952-US-CNT-Assignments#page4.tif		
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EPAS ID:     PAT499923       Receipt Date:     06/09/2018		

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### PATENT ASSIGNMENT

WE, Jiahe Helen Wang, XIAOFENG FAN, COLLIN EDWARD JACKSON, JONATHAN RYAN HOWELL, ZHENBIN XU ("ASSIGNORS"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PROTECTION (MUNICATION ABSTRACTIONS FOR WEB BROWSERS" ("APPLICATION"), which: AND COMMUNICATION ABSTRACTIONS FOR WEB BROWSERS" ("APPLICATION"), which:

Will be filed without this executive from the execu

was filed on <u>.....</u> and was given U.S. Serial No. <u>....</u>

Microsoft Corporation, a Washington Corporation, 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 in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES");

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNORS, the ASSIGNORS hereby sell, assign and transfer to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNORS agree 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).

13/200

DATE

DATE

DATE

XIAOFENG FAN

Jiahe Helen Wang

COLLIN EDWARD JACKSON

DATE

JONATHAN RYAN HOWELL

### PATENT REEL: 046580 FRAME: 0633

### PATENT ASSIGNMENT

WE, HELEN J. WANG, XIAOFENG FAN, COLLIN EDWARD JACKSON, JONATHAN RYAN HOWELL, ZHENBIN XU ("ASSIGNORS"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PROTECTION AND COMMUNICATION ABSTRACTIONS FOR WEB BROWSERS" ("APPLICATION"), which:

> Will be filed without this executed PATENT ASSIGNMENT. ASSIGNORS hereby authorize, and request, ASSIGNEE'S legal representatives, of Amin, Turocy & Calvin, LLP, 24th Floor, National City Center, 1900 E. 9th Street, Cleveland, Ohio 44114, who are associated with customer number 27195, to insert here in parenthesis (U.S. Serial No. \_\_\_\_\_, filed \_\_\_\_\_\_) this APPLICATION'S U.S. Serial Number and

filing date, when known;

was filed on \_\_\_\_\_\_ and was given U.S. Serial No. \_\_\_\_\_\_;
Is filed concurrently herewith;

Microsoft Corporation, a Washington Corporation, 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 in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES");

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ASSIGNORS agree 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 HELEN J. WANG 6/13/200 DATE DATE COLLIN EDWARD JACKSON 2057:06:13

ONATHAN RYAN HOWELL

PATENT REEL: 046580 FRAME: 0634

DATE

### PATENT ASSIGNMENT

WE, HELEN J. WANG, XIAOFENG FAN, COLLIN EDWARD JACKSON, JONATHAN RYAN HOWELL, ZHENBIN XU ("ASSIGNORS"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PROTECTION AND COMMUNICATION ABSTRACTIONS FOR WEB BROWSERS" ("APPLICATION"), which:

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DATE

DATE

DATE

45 P. 5 J. 64

DATE

HELEN J. WANG

XIAOPENG FAN

COLLIN EDWARD JACKSON

JONATHAN RYAN HOWELL

PATENT REEL: 046580 FRAME: 0635

<u>-66/13/2007</u> DATE

MS Docket No. MS320952.01 (OC Docket No. MSFTP1921)

ZHENBIN XU

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### PATENT REEL: 046580 FRAME: 0636

RECORDED: 07/18/2018