

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
XIANG CAO	08/20/2013
JUN KATO	08/17/2013
SEAN C. MCDIRMIID	05/08/2014
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:	14257169
CORRESPONDENCE DATA	
Fax Number:	(512)045-6598
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Email:	lindac@leehayes.com
Correspondent Name:	LEE & HAYES, PLLC
Address Line 1:	601 W. RIVERSIDE AVENUE
Address Line 2:	SUITE 1400
Address Line 4:	SPOKANE, WASHINGTON 99201
ATTORNEY DOCKET NUMBER:	MS1-5390US
NAME OF SUBMITTER:	LINDA CLARK
SIGNATURE:	/Linda Clark/
DATE SIGNED:	05/13/2014
Total Attachments: 6	
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PATENT	

I Xiang Cao (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled

PROGRAMMING INTERFACE

(“APPLICATION”), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE’S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE’S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on May 12, 2014 and given Application No. 14/275,169 by the following Office US – United States Patent and Trademark Office) this APPLICATION’s Application No., filing date, and Office, when known;

was filed on _____ and was given Application No _____ by the following Office “US – United States Patent and Trademark Office”;

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”));

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

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 in the INVENTION and the APPLICATION (and 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).

	20 Aug 2013
_____ Inventor's Signature	_____ Date
Xiang Cao	曹翔
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Jun Kato (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled

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	08/17/2013
_____ Inventor's Signature	_____ Date
Jun Kato	加藤 淳
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Sean C McDirmid (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled

PROGRAMMING INTERFACE

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Application No.	Filing Date	Office

PATENT ASSIGNMENT MS Docket No.: 338864.02

Attorney Docket No.: MS1-5390US

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	<u>5/8/2014</u>
Inventor's Signature	Date
<u>Sean C. McDirmid</u>	
Printed Name in English	Printed Name in Native Language (if other than English)