# 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
XIANG CAO	08/20/2013
JUN KATO	08/17/2013
SEAN C. MCDIRMID	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

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Email: lindac@leehayes.com LEE & HAYES, PLLC Correspondent Name:

Address Line 1: 601 W. RIVERSIDE AVENUE

Address Line 2: **SUITE 1400** 

SPOKANE, WASHINGTON 99201 Address Line 4:

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

EPAS ID: PAT2852579

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PATENT REEL: 032876 FRAME: 0351

PATENT	ASSIGNMENT M	S Docket No.:	338884.02
	Attorne	y Docket No.:	MS1- 5390US
IXiang C	ao ("A	SSIGNOR") am 1	the original inventor
or an original joint inventor of	subject matter ("INVE	NTION") disclo	sed and/or claimed
in a patent application entitled			
	PROGRAMMING INTERFA	ACE	
("APPLICATION"), which:			
· · · · · · · · · · · · · · · · · · ·	ASSIGNOR hereby	authorizes, a	nd requests,
	representatives, of the		
<del>-</del>	osoft Corporation, On	·	
Washington 9805	2 (ASSIGNEE'S LEGAL	REPRESENTATIV	VES), to insert
here in parenth	leses (filed on $\underline{\hspace{1.5cm}}^{Mag}$	12, 2014	_ and given
	14/275,169 by the		
	<u>and Trademark Of</u>		PPLICATION's
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	by the following Offic	te " <u>US – United</u>	States Patent
and Trademark O			16 6 1 16 1 1
Microsoft Corporation,	<del>-</del>		
successors and assigns ("ASSI entire and exclusive rights, tit			
(and all other applications			
applications, in and for the	·		<del>-</del>
("APPLICATION DERIVATIVES"));		,	
ASSIGNOR hereby	authorizes, and	requests, A	ASSIGNEE'S LEGAL
REPRESENTATIVES to insert t	he Application No.,	filing date, a	nd Office into the
following table for any APPLICA			own;
Application No.	Filing Date	Office	
	<del> </del>		

Page 1 of 2

PATENT ASSIGNMENT MS Docket No.: 338884.02

Attorney Docket No.: MS1- 5390US

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).

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

PATENT A	ASSIGNMENT	MS Docket No.:	338884.xx
	Attor	ney Docket No.:	MS1- 5390US
IJun Kat	0 ("	'ASSIGNOR") am t	the original inventor
or an original joint inventor of	subject matter ("IN	VENTION") disclo	sed and/or claimed
in a patent application entitled			
F	PROGRAMMING INTER	RFACE	
("APPLICATION"), which:			
oxtimes will be filed.	ASSIGNOR hereby	authorizes, ar	nd requests,
ASSIGNEE'S legal	representatives, of t	the Law and Corp	oorate Affairs
Department, Micr	osoft Corporation, (	One Microsoft Wa	ay, Redmond,
Washington 9805	2 (ASSIGNEE'S LEGA	L REPRESENTATIV	/ES), to insert
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Microsoft Corporation, successors and assigns ("ASSIC	<del>-</del>		
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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			
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following table for any APPLICA		'	own;
Application No.	Filing Date	Office	
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Page 1 of 2

PATENT ASSIGNMENT MS Docket No.: 338884.xx

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Jalo	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)

	PATENT.	ASSIGNMENT	MS Docket No.:	338884.02
		Atto	orney Docket No.:	MS1- 5390US
I	Sean C McI		•	the original inventor
or an origina	al joint inventor of	subject matter ("	INVENTION") disclo	osed and/or claimed
in a patent a	application entitled			
	ı	PROGRAMMING INT	ERFACE	
("APPLICATIO	ON"), which:			
X	will be filed.	ASSIGNOR here	by authorizes, a	nd requests,
	ASSIGNEE'S legal	representatives, o	f the Law and Cor	porate Affairs
	Department, Micr	osoft Corporation	, One Microsoft W	ay, Redmond,
	Washington 9805	2 (ASSIGNEE'S LEC	GAL REPRESENTATIV	VES), to insert
	here in parenth	eses (filed on <sub>-</sub>	May 12, 2014	_ and given
	· ·	•	the following Offic	
	States Patent	and Trademark	<u>Office</u> ) this A	PPLICATION's
_	Application No., f	_		
	was filed on	and wa	as given Applicatio	n No
		by the following	Office " <u>US – United</u>	States Patent
	and Trademark O	<u>ffice</u> )";		
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		United States, its	territories, and a	III foreign countries
("APPLICATIO	ON DERIVATIVES"));			
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Page 1 of 2

PATENT ASSIGNMENT	MS Docket No.:	338884.02
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	5/8/2014	
Inventor's Signature	Date	
Seen C. McDimid		
Printed Name in English	Printed Name in Native Language (if other than English)	