#### 07/09/2013 502412908

# PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Changhu Wang	03/29/2013
Zhenbang Sun	04/01/2013
Lei Zhang	03/29/2013

# **RECEIVING PARTY DATA**

Name:	Microsoft Corporation
Street Address:	One Microsoft Way
City:	Redmond
State/Country:	WASHINGTON
Postal Code:	98052-6399

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13886862

# **CORRESPONDENCE DATA**

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Email: amandas@leehayes.com

Correspondent Name: Lee & Hayes, pllc Address Line 1: 601 W Riverside Suite 1400 Address Line 2:

Address Line 4: Spokane, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	MS1-5369US
NAME OF SUBMITTER:	Amanda Sasser
Signature:	/Amanda Sasser/

REEL: 030762 FRAME: 0467

**PATENT** 

Date:	07/09/2013
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PATENT REEL: 030762 FRAME: 0468

	PATENT ASSIGNME	NT MS Docket No.:	338380.01
		Attorney Docket No.:	
1	Changhu Wang	("ASSIGNOR") am	the original inventor
or an origina	l joint inventor of subject mai	ter ("INVENTION") discl	ose <mark>d an</mark> d/or claimed
in a patent ap	oplication entitled		
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	ASSIGNEE'S legal representation	- 1997年 - 199	Particle of the Cartesian Cartesian Control of the Cartesian Control of the Cartesian Cartesian Cartesian Control of Cartesian
	Department, Microsoft Corpor		
	Washington 98052 (ASSIGNEE		
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4.5	States Patent and Trader		
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	nd assigns ("ASSIGNEE"), is en		
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Page 1 of 2

PATENT ASSIGNMENT MS Docket No.: 338380.01

Attorney Docket No.: MS1-5369US

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).

してう Inventor's Signature Date Changhu Wang 上大次 Printed Name in English Printed Name in Native Language (if other than English)

	PATENT	ASSIGNMENT	MS Docket No	o.: 338380.01
		At	torney Docket No	o.: MS1-5369US
1	Zhenbang	Sun	_ ("ASSIGNOR") a	m the original inventor
or an origin	al joint inventor of	subject matter (	"INVENTION") dis	sclosed and/or claimed
in a patent a	pplication entitled			
		SKETCH SEGMEN	TATION	
("APPLICATIO	DN"). which:			
	will be filed.	ASSIGNOR here	by authorizes.	and requests.
	ASSIGNEE'S legal			
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	here in parenth	eses (filed on	May 3, 3013	and given
	Application No. $\underline{}$	.3/886,862 by	the following O	ffice <u>US United</u>
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		by the following	Office * <u>US - Unit</u>	<u>ed States Patent</u>
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Page 1 of 2

PATENT ASSIGNMENT MS Docket No.: 338380.01

Attorney Docket No.: MS1-5369US

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	PATENT	ASSIGNMENT	MS Docket No.:	338380.01
		A	ttorney Docket No.:	MS1- 5369US
1	Lei Zha	ing:	("ASSIGNOR") am	the original inventor
		f subject matter		osed and/or claimed
		SKETCH SEGME	NTATION	
("APPLICATIC	DN"), which:			
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	Application No., I	iling date, and C	Office, when known;	
	was filed on	and ·	was given Applicatio	n No
		by the following	j Office " <u>US – United</u>	States Patent
	and Trademark C	ffice)":		
Micro	soft Corporation,	a Washington C	orporation, on beh	alf of itself and its
successors a	ind assigns ("ASSI	GNEE"), is entitle	ed to, and is desiro	us of acquiring, the
entire and e	xclusive rights, tit	le and interest i	n the INVENTION ar	nd the APPLICATION
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applications,	in and for the	United States, it	s territories, and a	ll foreign countries
("APPLICATIO	)N DERIVATIVES"));			
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Page 1 of 2

PATENT ASSIGNMENT MS Docket No.: 338380.01

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Mar. 29, 2013

entor's Signature Date

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Lei Zhang 3K 1/2

Printed Name in English Printed Name in Native Language

(if other than English)