#### PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Joe Rovito	03/11/2013
Arun Mathew	03/11/2013
Mike Ma	03/11/2013
Michael Friedman	05/09/2013
Dave Orvis	03/13/2013

#### **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:	13802640

## CORRESPONDENCE DATA

**Fax Number**: 4259367329

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 425-707-9382

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Correspondent Name: Assal Meftahi
Address Line 1: One Microsoft Way

Address Line 2: Patent Group Docketing Dept
Address Line 4: Redmond, WASHINGTON 98052

	PATENT
NAME OF SUBMITTER:	Gopal Sharma
ATTORNEY DOCKET NUMBER:	338187.01

REEL: 030422 FRAME: 0306

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Signature:	/GOPAL SHARMA/
Date:	05/16/2013
Total Attachments: 10 source=338187-01-Executed-Assignment#page2.tif source=338187-01-Executed-Assignment#page3.tif source=338187-01-Executed-Assignment#page4.tif source=338187-01-Executed-Assignment#page5.tif source=338187-01-Executed-Assignment#page6.tif source=338187-01-Executed-Assignment#page7.tif source=338187-01-Executed-Assignment#page8.tif source=338187-01-Executed-Assignment#page8.tif source=338187-01-Executed-Assignment#page9.tif	

PATENT REEL: 030422 FRAME: 0307

	PATENT A	ASSIGNMENT	MS Docket No.: <u>338187.01</u>
of subject r	natter ("INVENTIO	_	or or an original joint inventor med in a patent application hich:
	ASSIGNEE'S legal Department, Micro Washington 9805 here in parenth Application No Office US Pat	ASSIGNOR hereby authorepresentatives, of the Lavosoft Corporation, One Miles (ASSIGNEE'S LEGAL REPRESES (filed on 13-MAF) (13/802640 ent and Trademark Office) (ling date, and Office, whe	w and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given by the following this APPLICATION's
	was filed on	and was given	Application
		by the following Office	2
successors a entire and e (and all oth applications,	and assigns ("ASSIO xclusive rights, tit ner applications	ONEE"), is entitled to, and le and interest in the INV and patents derived the	n, on behalf of itself and its is desirous of acquiring, the ENTION and the APPLICATION erefrom, such as continuing es, and all foreign countries
REPRESENTA	TIVES to insert t	•	uests, ASSIGNEE'S LEGAL g date, and Office into the ney are known;
Application N		Filing Date	Office

Page 1 of 2

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);

Jallh	MARCH 11, 2013
Inventor's Signature	Date /
Joe Rovito	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I, Arun Mathew ("ASSIGNOR"), am the original inventor or an original join inventor of subject matter ("INVENTION") disclosed and/or claimed in a paten application entitled "Multi-Touch Probe Actuator" ("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		PATENT A	ASSIGNMENT	MS Docket No.: <u>338187.01</u>
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	inventor of	subject matter (	"INVENTION") disclosed	and/or claimed in a patent
No		ASSIGNEE'S legal Department, Micro Washington 9805 here in parenth Application No OfficeUS Pate	representatives, of the Larosoft Corporation, One M 2 (ASSIGNEE'S LEGAL REPR eses (filed on	w and Corporate Affairs icrosoft Way, Redmond, RESENTATIVES), to insert and given by the following this APPLICATION's
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 countrie ("APPLICATION DERIVATIVES"));  ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGA REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;			<del>-</del>	
REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;	successors and extending and all oth applications,	nd assigns ("ASSIC cclusive rights, titl er applications a in and for the U	GNEE"), is entitled to, and le and interest in the INV and patents derived the	I is desirous of acquiring, the ENTION and the APPLICATION erefrom, such as continuing
	REPRESENTAT	TIVES to insert tl	ne Application No., filin	g date, and Office into the

Page 1 of 2

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);

An Note. Inventor's Signature	3/11/2013 Date
Arun Mathew	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASS	IGNMENT	MS Docket No.:	338187.01

l, <u>Mike Ma</u> subject matter ("I " <u>Multi-Touch Prol</u>		isclosed and	or claime/	ed in a pate		
ASSI Dep Was here App Offic	be filed. IGNEE'S legal in artment, Micro Inhington 98057 In parenthe lication No. IGNEE OF The Idea o	representativosoft Corpor 2 (ASSIGNEE' eses (filed b. 13/8026 nt and Trademark	es, of the ation, One S LEGAL RI on	Law and Co Microsoft EPRESENTA MAR-2013 by th	orporate Affai Way, Redmon TIVES), to inse and given ne followin APPLICATION	irs id, ert en ng
	filed on				ion	
Microsoft of successors and a entire and exclus (and all other a applications, in a ("APPLICATION DE	sive rights, titl applications a and for the U	GNEE"), is en e and intere and patents	titled to, a st in the I derived	and is desi NVENTION therefrom,	rous of acqui and the APPL such as co	ring, the LICATION ontinuing
ASSIGNOR REPRESENTATIVES following table fo		ne Applicatio	on No., fi	iling date,	and Office	LEGAL into the
Application No.		Filing Date		Office		

Page 1 of 2

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);

Michael Ma Inventor's Signature	3/11/13 Date
Mike Ma	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 338187.01			
I, Michael Friedman ("ASSIGNOR"), am the original inventor or an original joint			
inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent			
application entitled "Multi-Touch Probe Actuator" ("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 and given			
Application No by the following			
Office			
Application No., filing date, and Office, when known;			
was filed on March 13, 2013 and was given Application			
No 13/802,640 by the following Office "United States			
Patent & 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			

Page 1 of 2

#### PATENT ASSIGNMENT

MS Docket No.: \_338187.01

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);

WJ. J. Jak	5/9/2013
Inventor's Signature	Date /
Michael Friedman	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 338187.01 I, Dave Orvis ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Multi-Touch Probe Actuator" ("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 13-MAR-2013 and given 13/802640 the following Office Application No. by US 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 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")); ASSIGNEE'S **LEGAL** and requests, ASSIGNOR hereby authorizes. REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known; Office Application No. Filing Date

Dago 1 of 2

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).

David No	3(13/13
Inventor's Signature	Date
Dave Orvis	
Printed Name in English	Printed Name in Native Language (if other than English)

Dagg 2 of 2

**RECORDED: 05/16/2013** 

PATENT REEL: 030422 FRAME: 0317