502990095 09/24/2014

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3036694

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CHRISTOPHER DOAN	09/18/2014
MATTHEW I. WORLEY	09/18/2014
TYLER J. DONAHUE	09/19/2014
EMILY GRACE SAPPINGTON	09/22/2014
SOHIT KAROL	09/21/2014
MIRON VRANJES	09/22/2014
MATTHEW KIICHI SLEMON	09/22/2014
ANDREW P. MITTEREDER	09/22/2014
NIDHI S. SANGHAI	09/22/2014

#### **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:	14494432

#### **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.

**Phone:** 5097557262

**Email:** gary@wolfe-sbmc.com

Correspondent Name: WOLFE-SBMC

Address Line 1: 601 W. MAIN AVENUE

Address Line 2: SUITE 1300

Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER: 355534.01

NAME OF SUBMITTER: ALLAN T. SPONSELLER

PATENT

502990095 REEL: 033809 FRAME: 0364

SIGNATURE:	/Allan T. Sponseller, Reg. #38,318/		
DATE SIGNED:	09/24/2014		
Total Attachments: 18			
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PATENT REEL: 033809 FRAME: 0365

inventor of subject	oan ("ASSIGNOR") am tl matter ("INVENTION") o	isclosed and/or clain	ned in a patent
	filed. ASSIGNOR here i'S legal representatives, ent, Microsoft Corporation 98052 (ASSIGNEE'S Larentheses (filed on by the following (ICATION's Application N	reby authorizes, and of the Law and Corporon, One Microsoft Way, EGAL REPRESENTATIVES and given	requests, rate Affairs Redmond, S), to insert Application
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successors and assign entire and exclusive in INVENTION and the in therefrom, such as co States, its territories, a	oration, a Washington (s ("ASSIGNEE"), is entitle ights, title and interest APPLICATION (and all continuing applications, in all foreign countries	ed to, and is desirous, including the right of ther applications and whole or in part, in a "APPLICATION DERIVAT	of acquiring, the priority, in the patents derived nd for the United
to insert the Applicati	oy authorizes, and reque on No., filing date, and IVES after they are know	Office into the follow	
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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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).

Inventor's Signature	5 EPT 18, 2014  Date
Christopher Doan	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Mat	thew I. Worley	("ASSIGNOR") a	m the o	rioinal invent	or or an o	oridinal joint
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$\boxtimes$	will be filed	. ASSIGNOR	hereby	authorizes,	and req	uests,
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MS Docket No.: 355534.01

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

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	9-18-2014
Inventor's Signature	Date
Matthew I. Worley	
Printed Name in English	Printed Name in Native Language
	(if other than English)

		inventor or an original joint
inventor of subject matter ("application entitled "MULTI-FING		•
ASSIGNEE'S legal r Department, Micro Washington 98052 here in parenthese Noby	ASSIGNOR hereby author epresentatives, of the Law isoft Corporation, One Mice (ASSIGNEE'S LEGAL REPRESS (filed on	and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given Application
this APPLICATION' known;	s Application No., filing o	late, and Office, when
	and was given A by the following Office ";	application
Microsoft Corporation, a successors and assigns ("ASSIG entire and exclusive rights, titl INVENTION and the APPLICATI therefrom, such as continuing a States, its territories, and all forest	NEE"), is entitled to, and le and interest, including ION (and all other applications, in whole or i	the right of priority, in the cations and patents derived n part, in and for the United
to insert the Application No., f	iling date, and Office into	EE'S LEGAL REPRESENTATIVES the following table for any
APPLICATION DERIVATIVES after 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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

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Inventor's Signature	9/19/14 Date		
Tyler J. Donahue			
Printed Name in English	Printed Name in Native Language (if other than English)		

	PATENT .	ASSIGNME	NT	MS D	ocket No.:	<u>355534.01</u>	_
I <u>Emily Gr</u> inventor of su application enti	<del>-</del>	"INVENTION	") disclo	sed and/or	claimed	in a pater	
AS De Wa he No th	ill be filed. SSIGNEE'S legal epartment, Micr ashington 9805 ere in parenthes ob is APPLICATION nown;	representati osoft Corpo 2 (ASSIGNEE es (filed on _ y the followi	ves, of th ration, Oi 'S LEGAL ng Office	e Law and ( ne Microsof REPRESENT/ and (	Corporate t Way, Red ATIVES), to given Appl	Affairs mond, insert ication	
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Microsof	t Corporation.	a Washingto	on Corpo	ration. on	behalf of	itself and it	ts

successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, 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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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).

Ev.A2	
	09/22/14
Inventor's Signature	Date
Emily Grace Sappington	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Sohit Karol</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MULTI-FINGER TOUCHPAD GESTURES" ("APPLICATION"), which:

X	will	be	filed.	ASSIGNOR	hereby	authorizes,	and	requests,
	ASSI	GNE	E'S legal i	representati	ves, of th	ne Law and C	orpora	ate Affairs
	Department, Microsoft Corporation, One Microsoft Way, Redmond,							
	Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert					, to insert		
	here in parentheses (filed on and given Application					pplication		
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	this APPLICATION's Application No., filing date, and Office, when							
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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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, 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

MS Docket No.: 355534.01

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

#### ("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).

A.	09/21/14
Invéniór's Signature	Date
Sohit Karol	
Printed Name in English	Printed Name in Native Language
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PATENT REEL: 033809 FRAME: 0375

I <u>Nidhi S. Sanghai</u> ("ASSIGNOR") am the original inventor or an original joint					
inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent					
application entitled "MULTI-FINGER TOUCHPAD GESTURES" ("APPLICATION"), which:					
application entitled <u>imperit interview destroys</u> (701 Elextrion ), which					
oxtimes 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)					
this APPLICATION's Application No., filing date, and Office, when					
known;					
$\square$ 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, including the right of priority, in the					
INVENTION and the APPLICATION (and all other applications and patents derived					
therefrom, such as continuing applications, in whole or in part, 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					
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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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

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Inventor's Signature	09/22/2014 Date
Nidhi S. Sanghai	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Miron Vranies ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MULTI-FINGER TOUCHPAD GESTURES" ("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 \_\_\_\_ 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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, 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

MS Docket No.: <u>355534.01</u>

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

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Inventor's Signature

Date

Miron Vranjes

Printed Name in English

Printed Name in Native Language
(if other than English)

I Matthew Kiichi Slemon ("ASSIGNOR") am the original inventor or an original joint

	ASSIGNEE'S legal Department, Micr Washington 9805 here in parenthes Nob	representatives, of the osoft Corporation, Or 2 (ASSIGNEE'S LEGAL es (filed on) of the following Office I's Application No., fi	authorizes, and requests, e Law and Corporate Affairs ne Microsoft Way, Redmond, REPRESENTATIVES), to insert and given Application) ling date, and Office, when
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Page 1 of 2

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	9/22/14
Inventor's Signature	Date
Matthew Kiichi Slemon	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Andrew P. Mittereder (</u> "Ainventor of subject matter ("application entitled " <u>MULTI-FINC</u>	INVENTION") disclosed a	•
ASSIGNEE'S legal re Department, Micro Washington 98052 here in parenthese No by	ASSIGNOR hereby authorepresentatives, of the Law soft Corporation, One Mice (ASSIGNEE'S LEGAL REPRESS (filed on) the following Offices Application No., filing of	and Corporate Affairs crosoft Way, Redmond, SENTATIVES), to insert and given Application
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Microsoft Corporation, a successors and assigns ("ASSIG entire and exclusive rights, titl INVENTION and the APPLICATI therefrom, such as continuing a States, its territories, and all fore	NEE"), is entitled to, and le and interest, including ON (and all other applications, in whole or i	the right of priority, in the cations and patents derived n part, in and for the United
ASSIGNOR hereby authori to insert the Application No., f APPLICATION DERIVATIVES after	iling date, and Office into	EE'S LEGAL REPRESENTATIVES  the following table for any
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And Mullius Inventor's Signature	9/22/2014 Date
Andrew P. Mittereder	
Printed Name in English	Printed Name in Native Language
	(if other than English)

RECORDED: 09/24/2014