PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2769932

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANDREW N. CADY	03/07/2014
CHRISTOPHER A. WHITMAN	03/14/2014
STEVEN NABIL BATHICHE	03/07/2014
THOMAS CHARLES OLIVER	03/10/2014
RAJESH MANOHAR DIGHDE	03/07/2014

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:	14212916

CORRESPONDENCE DATA

Fax Number: (509)755-7252

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

US Mail.

Phone: 5097557262

Email: connelly@wolfe-sbmc.com

Correspondent Name: WOLFE-SBMC Address Line 1: 601 W. MAIN AVE.

Address Line 2: SUITE 1300

Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	341239.01
NAME OF SUBMITTER:	WILLIAM J. BREEN, III
SIGNATURE:	/William J. Breen, III/
DATE SIGNED:	03/14/2014

Total Attachments: 10

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PATENT REEL: 032445 FRAME: 0473

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PATENT REEL: 032445 FRAME: 0474

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I <u>And</u> inventor of application	subject n		VENTION	") disclo	sed	and/or	claime	d in	a patent
("APPLICATIO	N"), which	:							
	ASSIGNEE Departme Washingto here in pa	filed. AS 'S legal rep nt, Microso on 98052 (A rentheses (12,916 by t emark Office Office, whe	resentation of Corporation (Corporation) ASSIGNEE (Filed on the following) The following (Corporation) The following (Corporation)	ves, of the ration, O E'S LEGAL <u>March 14</u> wing Offi APPLICAT	ne Lav ne Mi REPR , 201 ce <u>US</u>	v and C crosoft ESENTA <u>4</u> and g – Unite	orporat Way, Ro TIVES), iven Ap ed State	e Affa edmor to inse plicati	irs nd, ert on ent
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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

	PATENT ASSIGNMENT	MS Docket No.:	<u>341239.01</u>
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i	•	1	

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).

ander 7 Cardy	3-7-2014
Inventor's Signature	Date
Andrew N. Cady	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 341239.01 I Christopher A. Whitman ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Conductive Trace Routing for Display and Bezel Sensors" ("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 03/14/2014 and given Application No. 14/212,916 by the following Office USPTO 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

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).

Christopher A. Whitman

Printed Name in English

Printed Name in English

Printed Name in Native Language (if other than English)

MS Docket No.: <u>341239.01</u>

I <u>Steven Nabil Bathiche</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Conductive Trace Routing for Display and Bezel Sensors" ("APPLICATION"), which:

X	will be	filed.	ASSIGNOR	hereby	autho	rizes, a	ınd req	uests,
	ASSIGNE	E'S legal	representat	ives, of th	ne Law	and Cor	porate /	Affairs
	Departm	ent, Mic	rosoft Corpc	ration, O	ne Mic	rosoft W	ay, Red	mond,
	Washingt	on 980!	iz (assignei	E'S LEGAL	REPRE	SENTATI	VES), to	insert
	here in p	arenthes	ies (filed on	03/14/	2014	and giv	en Appli	cation
	No. 14/21	12,916	by the follow	ing Office	} 	USPTO)
	this APPI	JCATIO	V's Applicati	on No., t	îling d	ate, and	l Office,	when
	known;							
	was filed	on		and was g	jiven A	pplicatio	m	
	No	***************************************	by the f	ollowing	Office			
	H			91. Y				

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	000000000000000000000000000000000000000

MS Docket No.: 341239.01

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"));

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

Steven Nabil Bathiche

Printed Name in English

Date

Printed Name in Native Language

7/7/29/9

(if other than English)

MN Discher No. 1412 19 11

I Thomas Charles Oliver ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and or claimed in a patent application entitled Conductive Trace Routing for Display and Bezel Sensors

Departm Washingi	filed. ASSIGNOR hereby authorizes, and requests, E'S legal representatives, of the Law and Corporate Affairs ent. Microsoft Corporation, One Microsoft Way, Redmond, on 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert
No.14/2	arentheses (filed on $03/14/2014$ and given Application $12,916$ by the following Office USPTO ICATION's Application No., filing date, and Office, when
was filed	
6	

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	

PATENT REEL: 032445 FRAME: 0481 For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the 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 integrating letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

Inventor's Signature

Date

Thomas Charles Oliver

Printed Name in English

Printed Name in Native Language (if other than English)

MS Docket No.: 341239.01 I Rajesh Manohar Dighde ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Conductive Trace Routing for Display and Bezel Sensors" ("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 03/14/2014 and given Application No. 14/212,916 by the following Office USPTO 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

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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).

Py-55 to	
	3-7-2014
Inventor's Signature	Date
Rajesh Manohar Dighde	
Printed Name in English	Printed Name in Native Language
	(if other than English)

RECORDED: 03/14/2014