### 504425191 06/21/2017

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4471891

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MICHAEL BLEYER	08/23/2016
RAYMOND KIRK PRICE	08/23/2016
JIAN ZHAO	08/23/2016
DENIS DEMANDOLX	08/23/2016
JUAN V. ESTEVE BALDUCCI	08/23/2016

#### **RECEIVING PARTY DATA**

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC	
Street Address:	ONE MICROSOFT WAY	
City:	REDMOND	
State/Country:	WASHINGTON	
Postal Code:	98052	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15252130

#### **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.

Email: usdocket@microsoft.com
Correspondent Name: PERKINS COIE LLP
Address Line 1: P.O. BOX 1247

Address Line 4: SEATTLE, WASHINGTON 98111-1247

ATTORNEY DOCKET NUMBER:	041827-8155.US01
NAME OF SUBMITTER:	LESLIE M. JACKSON
SIGNATURE:	/Leslie M. Jackson/
DATE SIGNED:	06/21/2017

**Total Attachments: 10** 

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PATENT 504425191 REEL: 042774 FRAME: 0813

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PATENT REEL: 042774 FRAME: 0814

I <u>Michael Bleyer</u> ("ASSIGNITY OF SUBJECT MATTER ("APPLICATION"), which:	"INVENTION") disclosed	
ASSIGNEE'S legal LLC, One Microso	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing TATIVES), to insert here	Technology Licensing, gton 98052 (ASSIGNEE'S
No. <u>15/252,130</u> Patent and Trade	30, 2016 and and by the following Offimark Office) this APPLICA ffice, when known;	
	and was given by the following Office ";	
Microsoft Technology Licensing, LLC, a Washington limited liability company, 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

41827-8155.US01/132465721.1

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).

	8/23/2016
Inventor's Signature	Date
Michael Bleyer Printed Name in English	Printed Name in Native Language (if other than English)

Docket No.: 360554.01

inventor of	subject matter entitled " <u>Foreign</u>	("INVENTION") disclosed	al inventor or an original joint and/or claimed in a patent n a Depth Sensing System"
$\boxtimes$	will be filed.	ASSIGNOR hereby auth	orizes, and requests,
	ASSIGNEE'S legal	representative, Microsoft	Technology Licensing,
	LLC, One Microso	ft Way, Redmond, Washing	gton 98052 (ASSIGNEE'S
	Andrew Committee of the	TATIVES), to insert here	
	***************************************	30, 2016 and	given Application
		by the following Offi	
		mark Office) this APPLICA	TION's Application No.,
	filing date, and O	ffice, when known;	
		and was given by the following Office	
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behalf of its desirous of a right of prior patents deriv	elf and its succe acquiring, the enti ity, in the INVENTI red therefrom, suc ted States, its	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	n limited liability company, on GNEE"), is entitled to, and is tle and interest, including the (and all other applications and ns, in whole or in part, in and gn countries ("APPLICATION
ASSIGI	NOR hereby	authorizes, and requ	uests, ASSIGNEE'S LEGAL
REPRESENTAT	ΓIVES to insert t	he Application No., filin	g date, and Office into the
following tab	le for any APPLICA	TION DERIVATIVES after the	ney are known;
Application N	lo.	Filing Date	Office

Page 1 of 2

41827-8155,US01/132465645.1

Docket No.: 360554.01

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	8/23/2016 Date
Raymond Kirk Price	
Printed Name in English	Printed Name in Native Language
	(if other than English)

subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Foreign Substance Detection in a Depth Sensing System" ("APPLICATION"), which:			
$\boxtimes$	will be filed.	ASSIGNOR hereby auth	orizes, and requests,
	ASSIGNEE'S legal	representative, Microsoft	Technology Licensing,
	LLC, One Microso	ft Way, Redmond, Washing	jton 98052 (ASSIGNEE'S
	LEGAL REPRESEN	TATIVES), to insert here	in parentheses (filed
	on August	30, 2016 and	given Application
	<b>No.</b> 15/252,13	0 by the following Offi	ce <u>US – United States</u>
	Patent and Trade	mark Office) this APPLICA	TION's Application No.,
	filing date, and O	ffice, when known;	
	was filed on	and was given	Application
	No	by the following Office	<b>.</b>
	1b	<b>11</b> ,	e wet
	•		n limited liability company, 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			
		territories, and all forei	gn countries ("APPLICATION
DERIVATIVES	"));		
٨٥٥١٦	NOD haraby	outhorizes and requ	Jests. ASSIGNEE'S LEGAL
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 N		Filing Date	Office
Application i	10.	Thing Date	Office
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Page 1 of 2

Docket No.: <u>360554.01</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"));

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).

Joan Wars	8/23/2016
Inventor's Signature	Date
Jian Zhao	走x 建
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Denis Demandolx</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled " <u>Foreign Substance Detection in a Depth Sensing System</u> " ("APPLICATION"), which:
will be filed. ASSIGNOR hereby authorizes, and requests,
ASSIGNEE'S legal representative, Microsoft Technology Licensing,
LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S
LEGAL REPRESENTATIVES), to insert here in parentheses (filed
on <u>August 30, 2016</u> and given Application
No. <u>15/252,130</u> by the following Office <u>US - United States</u>
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 Technology Licensing, LLC, a Washington limited liability company, 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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	and the same of th		

Page 1 of 2

41827-8155.US01/132464860.1

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"));

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A alaha	8-23-2016
Inventor's Signature	Date
Denis Demandolx	
Printed Name in English	Printed Name in Native Language (if other than English)

Docket No.: <u>360554.01</u>

I Juan V. Esteve Balduction inventor of subject matt application entitled "Foreign ("APPLICATION"), which:	er ("INVENTION") disclose	
ASSIGNEE'S legal LLC, One Microso LEGAL REPRESEN	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing TATIVES), to insert here 30, 2016 and	Technology Licensing, pton 98052 (ASSIGNEE'S
Patent and Trade	by the following Offi mark Office) this APPLICA ffice, when known;	
	and was given by the following Office ";	
Microsoft Technology Liebehalf of itself and its succe desirous of acquiring, the entiright of priority, in the INVENTI patents derived therefrom, sucfor the United States, its DERIVATIVES"));	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert t following table for any APPLICA	he Application No., filin	
Application No.	Filing Date	Office

Page 1 of 2

41827-8155.US01/132466870.1

Docket No.: 360554.01

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).

Juan V. Estive Balducci Inventor's Signature	
Juan V. Esteve Balducci	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Page 2 of 2

RECORDED: 06/21/2017