504221584 02/09/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RAYMOND KIRK PRICE	01/31/2017
MICHAEL BLEYER	01/31/2017
DENIS DEMANDOLX	01/31/2017
JIAN ZHAO	02/08/2017

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:	15422428

CORRESPONDENCE DATA

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Address Line 1: P.O. BOX 1247

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ATTORNEY DOCKET NUMBER:	041827-8182.US01
NAME OF SUBMITTER:	LARA M. NELSON
SIGNATURE:	/Lara M. Nelson/
DATE SIGNED:	02/09/2017

Total Attachments: 8

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PATENT 504221584 REEL: 041219 FRAME: 0284

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> PATENT REEL: 041219 FRAME: 0285

I <u>Raymond Kirk Price</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>Reduced Phase Sampling for High Speed Depth Sensing</u>" ("APPLICATION"), which:

MS Docket No.: 401279-US-NP

X	will be fi ASSIGNEE'S LLC, One M LEGAL REF	iegal re licrosoft PRESENTA	epresentat Way, Redr ATIVES), to	ive, Micro nond, Wa o insert	osoft Tech shington 9 here in p	nology 8052 (A arenthe	Licensing, ASSIGNEE'S eses (filed
	on <u>F</u>	ebruary 1	, 2017	and	given	. •	pplication
	No. <u>15/422</u>	2,428	by the	following	Office <u>US</u>	<u> </u>	ted States
	Patent and	Tradema	ark Office)	this APP	LICATION'S	Applic	ation No.,
	filing date,	and Offic	ce, when k	nown;			
	was filed o	n	a	ınd was g	iven Applic	ation	
	No		_ by the fo	ollowing (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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41827-8182.US01/134317623.1

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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).

Inventor's Signature	1/31/2017 Date
Raymond Kirk Price	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 401279-US-NP I Michael Blever ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Reduced Phase Sampling for High Speed Depth Sensing" ("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 February 1, 2017 and given Application on No. 15/422,428 by the following Office US - United States 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 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

41827-8182.US01/134317615.1

PATENT	ASSIGNMENT	MS Docket No.:	401279-US-N

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).

~ n	1/31/2017
Inventor's Signature	Date
Michael Bleyer	
Printed Name in English	Printed Name in Native Language (if other than English)

l Denis Demandolx ("ASSIGNOR") am the original inventor or an original Joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Reduced Phase Sampling for High Speed Depth Sensing" ("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 February 1, 2017 and given Application No. 15/422,428 by the following Office US - United States 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; Office Application No. Filing Date

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MS Docket No.: 401279-US-NP

	PATENT ASSIGNMENT			401279-US-N
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Lendob	01-31-2017	
Inventor's Signature	Date	
Denis Demandolx		
Printed Name in English	Printed Name in Native Language (if other than English)	

MS Docket No.: 401279-US-NP I lian Zhao ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Reduced Phase Sampling for High Speed Depth Sensing" ("APPLICATION"), which: \square 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 and given **Application** on _____ by the following Office <u>US - United States</u> No. Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known; was filed on February 1, 2017 and was given Application No 15/422,428 by the following Office "US - United States Patent and Trademark 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")): **LEGAL** ASSIGNOR hereby authorizes, and requests, **ASSIGNEE'S** 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).

Jian Whas	2/8/2017	
Inventor's Signature	Date 走×建	
Jian Zhao		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

RECORDED: 02/09/2017