PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5195768

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JINCHENG WANG	10/17/2018
WYATT OWEN DAVIS	10/18/2018
MICHAEL JAMES NYSTROM	10/16/2018
JOSHUA OWEN MILLER	10/18/2018
RICHARD ALLEN JAMES	10/18/2018

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:	16164526

CORRESPONDENCE DATA

Fax Number: (425)936-7329

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.

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ASSAL MEFTAHI Correspondent Name:

Address Line 1: ONE MICROSOFT WAY

PATENT GROUP DOCKETING DEPT Address Line 2: Address Line 4: **REDMOND, WASHINGTON 98052**

ATTORNEY DOCKET NUMBER:	405172-US-NP
NAME OF SUBMITTER:	VLADIMIR A. KOZYREV
SIGNATURE:	/VLADIMIR A. KOZYREV/
DATE SIGNED:	10/18/2018

Total Attachments: 10

PATENT REEL: 047222 FRAME: 0402

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PATENT REEL: 047222 FRAME: 0403

PATENT ASSIGNMENT	MS Docket No.: 405172-US-NP

inventor of subject matter (application entitled "ACTUAT") which: Will be filed. ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT October 18, 201 the following Offi APPLICATION'S Aknown;	"INVENTION") disclosed OR FRAME FOR SCANNING ASSIGNOR hereby authore representative, Microsoft ft Way, Redmond, Washing TATIVES), to insert here in the series of the se	orizes, and requests, Technology Licensing, gton 98052 (ASSIGNEE'S parentheses (filed on No. 16/164,526 by) this ate, and Office, when
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by the following (Office "	
behalf of itself and its succe desirous of acquiring, the enti right of priority, in the INVENTI patents derived therefrom, suc for the United States, its DERIVATIVES"));	ssors and assigns ("ASSI 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
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Page 1 of 2

MS Docket No.: 405172-US-NP

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).

Jirchy Wary
Inventor's Signature

10-11-24

Date

Jincheng WANG

Printed Name in English

1 14 12

Printed Name in Native Language

(if other than English)

MS Docket No.: 405172-US-NP

l <u>Wyatt Ow</u>	<u>en DAVIS</u> ("ASSIGNOR")	am the original inve	ntor or an original joint
inventor of subje	ct matter ("INVENTIC	N") disclosed and/o	r claimed in a patent
application entitle	d " <u>ACTUATOR_FRAM</u>	FOR SCANNING MI	RROR" ("APPLICATION"),
which:			
ASSIC LLC, LEGA Oct the f	be filed. ASSIGNOI GNEE'S legal represent One Microsoft Way, Re- L REPRESENTATIVES), to ober 18, 2018 and give collowing Office CATION's Application on;	ative, Microsoft Tech dmond, Washington 9 o insert here in parent en Application No	nology Licensing, 8052 (ASSIGNEE'S theses (filed on 6/164,526 by) this
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desirous of acquir right of priority, in patents derived th	ing, the entire and ext the INVENTION and th erefrom, such as conti	clusive rights, title an e APPLICATION (and a nuing applications, in), is entitled to, and is d interest, including the Ill other applications and whole or in part, in and ountries ("APPLICATION
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following table for	any APPLICATION DER	VATIVES after they are	e known;
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MS Docket No.: 405172-US-NP

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Lysse Santura	
Inventor's Signature	Date ' ' '
Wyatt Owen DAVIS	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 405172-US-NP

I <u>Micl</u>	<u>nael James NYSTRO</u>	<u>)M</u> ("ASSIGNOR") am the	original inventor or an original
joint invento	or of subject matt	er ("INVENTION") disclos	ed and/or claimed in a patent
application	entitled " <u>ACTUAT</u>	<u>OR FRAME FOR SCANNI</u>	NG_MIRROR" ("APPLICATION"),
which:			
	ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT October 18, 201	ASSIGNOR hereby aut representative, Microsof ft Way, Redmond, Washin ATIVES), to insert here in and given Application	t Technology Licensing, agton 98052 (ASSIGNEE'S parentheses (filed on No. 16/164,526 by
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	APPLICATION's A known;	Application No., filing o	late, and Office, when
	was filed on	and was given	ı Application No
		Office "	
desirous of right of prior patents deriv	acquiring, the enti rity, in the INVENT ved therefrom, suc ited States, its	re and exclusive rights, to ON and the APPLICATION has continuing application	IGNEE"), is entitled to, and is title and interest, including the I (and all other applications and ons, in whole or in part, in and eign countries ("APPLICATION
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MS Docket No.: 405172-US-NP

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Inventor's Signatore

Date

Michael James NYSTROM

Printed Name in English

Printed Name in Native Language

(if other than English)

MS Docket No.: <u>405172-US-NP</u>

I <u>Joshua Owen MILLER</u> inventor of subject matter application entitled " <u>ACTUA</u> which:	("INVENTION") dis-		a patent
ASSIGNEE'S legical LLC, One Microst LEGAL REPRESERT October 18, 20 the following O	al representative, M soft Way, Redmond, NTATIVES), to insert <u>)18</u> and given Appl ffice	oy authorizes, and reque licrosoft Technology Licens Washington 98052 (ASSIGN) here in parentheses (filed or ication No. <u>16/164,526</u> Filing date, and Office, w	ing, EE'S 1 _ by this
		s given Application No";	
Microsoft Technology behalf of itself and its such desirous of acquiring, the enright of priority, in the INVEN patents derived therefrom, sufor the United States, its DERIVATIVES"));	cessors and assign: itire and exclusive r TION and the APPLIC uch as continuing ap	ights, title and interest, inc CATION (and all other applic oplications, in whole or in p	to, and is luding the ations and art, in and
ASSIGNOR hereby REPRESENTATIVES to insert following table for any APPLIC	the Application N		
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MS Docket No.: 405172-US-NP

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	<u>\0/(\$-/20\\$<</u> Date
Joshua Owen MILLER	
Printed Name in English	Printed Name in Native Language
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MS Docket No.: 40	05172-US-NP
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		al inventor or an original join	
inventor of subject matter (•	
application entitled "ACTUATO	OR FRAME FOR SCANNIN	<u>IG MIRROR</u> " ("APPLICATION")	
which:			
ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT October 18, 2018 the following Offic APPLICATION's A known;	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing ATIVES), to insert here in part of and given Application No., filing da	Technology Licensing, gton 98052 (ASSIGNEE'S parentheses (filed on No. 16/164,526 by this ate, and Office, when	
was filed on and was given Application No by the following Office "";			
Microsoft Technology Lidebehalf of itself and its success desirous of acquiring, the entity right of priority, in the INVENTION patents derived therefrom, successfor the United States, its to 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	authorizes, and requ	uests, ASSIGNEE'S LEGAI	
REPRESENTATIVES to insert tl	he Application No., filin	g date, and Office into the	
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Phalm Jana Inventor's Signature	/0 //8 //8 Date
Richard Allen JAMES	
Printed Name in English	Printed Name in Native Language
	(if other than English)

RECORDED: 10/18/2018