# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4972217

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
SHANE H HILTON	05/18/2018
MICHAEL GRODIN	05/21/2018
JEFFREY CURTIS SCHLIMMER	05/22/2018

## **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:	15986009

## CORRESPONDENCE DATA

Fax Number: (202)318-2583

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: 202-842-8800

Email: usdocket@microsoft.com, dcpatentfiling@dbr.com

DRINKER BIDDLE & REATH/MICROSOFT **Correspondent Name:** 

1500 K STREET, N.W. Address Line 1:

Address Line 2: **SUITE 1100** 

WASHINGTON, D.C. 20005-1209 Address Line 4:

ATTORNEY DOCKET NUMBER:	215786-0143-00-US-575214
NAME OF SUBMITTER:	MAYA YUSIM
SIGNATURE:	/Maya Yusim #73,563/
DATE SIGNED:	05/22/2018

## **Total Attachments: 6**

source=215786\_0143\_executedassignments#page1.tif source=215786\_0143\_executedassignments#page2.tif source=215786 0143 executedassignments#page3.tif

**PATENT** REEL: 045872 FRAME: 0046 504925471

source=215786\_0143\_executedassignments#page4.tif source=215786\_0143\_executedassignments#page5.tif source=215786\_0143\_executedassignments#page6.tif

> PATENT REEL: 045872 FRAME: 0047

PATENT ASSIGNMENT MS Docket No.: 404093-US-NP

1 <u>Sł</u>	<u>hane</u>	H HIL	<u>TON</u> ("A	SSIGNOR	l") am	the c	origina	linvent	or or	an c	rigina	al joint
inventor (	of s	ubject	matter	("INVEN	TION")	discl	losed	and/or	claim	ed i	n a	patent
application	n en	titled " <u>II</u>	<b>UPROVE</b>	O SPECTA	ATING S	SIMULA	<u>ATION'</u>	' ("APPLI	CATIO	N"), v	vhich:	•
	×Σ	vill be fi	led. ASS	SIGNOR h	ereby a	author	rizes, a	and requ	ests, A	ASSIC	NEE'S	;

M	will be filed. ASSIGNO	R hereby authorizes, and requests, ASSIGNEE'S
	legal representative,	Microsoft Technology Licensing, LLC, One
	Microsoft Way, Redm	ond, Washington 98052 (ASSIGNEE'S LEGAL
	REPRESENTATIVES), to	insert here in parentheses (filed on $May\ 22,2018$
	and given Ap	plication No. $15/986,009$ by the following Office
	US - United States Pat	ent and Trademark Office) this APPLICATION's
	Application No., filing	date, and Office, when known;
	C1 1	
Ш	was filed on	and was given Application No by
	the following Office "_	n.

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	HONOR PROPERTY AND
			America Commanda Service Commando a Aprilholano
			The CRITICAL COCK GARGERS AND A SECOND SECOND
and the second section of the second section of the second second second second second second second section section section section second se		PREMIUM PRODUCTION OF INCIDENT AND	process demand consider and the assessment as a second
	alia dan dan 12 militaria ili da		Americk and the contract of th
н Бината так очительной макентария масента мененарання в нежно общеновый ображноствому о условичения морница о учисания мустра од остана в нежноствому			-Sisting management of the section of
		TO STATE OF THE PARTY OF THE PA	MANAGE ATT - PARCENTANCE - Laccinicans
we consider the construction of the construction of the state of the state of the state of the construction of the state			

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,

Page 1 of 2

92628114.1

MS Docket No.: 404093-US-NP

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).

J.A.	5-19-2018
Inventor <sup>3</sup> s Signature	Date
Shane H HILTON	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 404093-US-NP

inventor of	subject matter ("INVENTION") disclosed and/or claimed in a pate
application	entitled "IMPROVED SPECTATING SIMULATION" ("APPLICATION"), which:
$\boxtimes$	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 May 22, 2018
	and given Application No. 15/986,009by 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 "":

I Michael GRODIN ("ASSIGNOR") am the original inventor or an original joint

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:

ATTECATION DERIVATIVES after they are known,				
Application No.	Filing Date	Office		
	- 100 Mary Carlo Mary Carlo Ca			
	ALL COLORS SERVING SER			
4000000	Makakani da ika kisia kisia kenonda wa Alia kisia wa da kakano mina angala mujuman ji ilago ya ji inangangang Si (Majananangangan) da k			
	and the second s			

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,

Page 1 of 2

926281171

MS Docket No.: 404093-US-NP

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).

MM Yook- Inventor's Signature	5/2//2018 Date
Michael GRODIN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

# PATENT ASSIGNMENT MS Docket No.: 404093-US-NP

al nt

			original inventor or an original	
	•		ed and/or claimed in a patent <u>l</u> " ("APPLICATION"), which:	
application	inditied <u>introved</u>	SPECIATING SIMULATION	( APPLICATION ), WIIICII.	
$\boxtimes$	will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S			
	legal representative, Microsoft Technology Licensing, LLC, One			
	Microsoft Way, F	Redmond, Washington 98	8052 (ASSIGNEE'S LEGAL	
	REPRESENTATIVES	), to insert here in parent	heses (filed on May 22, 2018	
and given Application No. $\underline{15/986,009}$ by the following Office US – United States Patent and Trademark Office) this APPLICATION's				
	····· - Cit · · ·l		De la	
		and was given App		
	the following Office	ce "	,	
Micros	soft Technology Li	censing IIC a Washingt	on limited liability company, on	
		-	E"), 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				
			whole or in part, in and for the	
			PPLICATION DERIVATIVES"));	
	,		, , _, , , , , , , , , , , , , , , , ,	
ASSIG	NOR hereby autho	rizes, and requests, ASSIC	GNEE'S LEGAL REPRESENTATIVES	
to insert the	Application No.,	filing date, and Office in	nto the following table for any	
APPLICATION	DERIVATIVES afte	r they are known;		
Application N	lo.	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,

Page 1 of 2

MS Docket No.: 404093-US-NP

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).

Jeffrey C. Schlimmer	22 May 2018
Inventor's Signature	Date
Jeffrey Curtis SCHLIMMER	
Printed Name in English	Printed Name in Native Language
	(if other than English)

**RECORDED: 05/22/2018**