## 504794317 02/26/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4841049

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JINGJING SHEN	02/26/2018
THOMAS JOSEPH CASHMAN	02/22/2018
TIMOTHY JAMES HUTTON	02/21/2018

### **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:	15905740

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER: 358730A-US-CIP

NAME OF SUBMITTER: HOLLI L. TEMPLETON

SIGNATURE: /Holli L. Templeton/

DATE SIGNED: 02/26/2018

**Total Attachments: 6** 

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PATENT 504794317 REEL: 045043 FRAME: 0667

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> PATENT REEL: 045043 FRAME: 0668

## PATENT ASSIGNMENT MS Docket No.: 358730A-US-CIP

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inventor	of	subje	t m	atter	("IN	IVEN	TION	(")	disclos	ed an	d/or	claii	med	in	a	patent
applicat	ion	entitled	I "IF	<u>RACKI</u>	NG	<u>RIGC</u>	<u>ied</u>	<u>POL</u>	YGON-	<u>MESH</u>	MOD	<u>ELS</u>	<u>OF</u>	ARTI	CU	<u>LATED</u>
<u>OBIECTS</u>	" ("A	APPLICA	TION	l"), wł	iich:											

$\boxtimes$	will be file	ed. ASSIGI	NOR hei	reby auth	orizes,	and	reques	sts,
	ASSIGNEE'S	legal repres	entative,	Microsoft	Techno	logy I	Licensi	ng,
	LLC., One	Microsoft	Way,	Redmond,	Wash	ingtor	980	)52
	(ASSIGNEE'S	LEGAL R	EPRESEN	TATIVES),	to in	sert	here	in
	parentheses	(filed on _	February	26, 2018	and gi	ven A	pplicat	ion
	No.	15/905,740	••••	by	the		follow	ing
	Office <u>Un</u>	<u>ited States Pat</u>	ent & Tra	ndemark	) this	APPLI	CATIO	N's
	Application	No., filing da	ite, and C	Office, whe	n knowi	1;		
	was filed on		and	was given	Applicat	tion		
	No	by	the follo	wing Office	<u>a</u>			
	cc			#, . *				

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

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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).

Joseph Su	Feb 26th, 2018
Inventor's Signature	Date
Jingjing SHEN	中品品
Printed Name in English	Printed Name in Native Language
	(if other than English)

# PATENT ASSIGNMENT MS Docket No.: 358730A-US-CIP

I <u>Thomas loseph CASHMAN</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>TRACKING RIGGED POLYGON-MESH MODELS OF ARTICULATED OBJECTS</u>" ("APPLICATION"), which:

$\boxtimes$	will be	filed.	ASSIGNOR	hereby	autho	orizes,	and	requests,
	ASSIGNE	E'S legal	representa	tive, Mic	rosoft	Techno	ology	Licensing,
	LLC.,	One Mic	crosoft Wa	ıy, Redi	mond,	Wash	ingto	n 98052
	(ASSIGN	EE'S LE	GAL REPRI	ESENTATI	VES),	to ir	isert	here in
	parenth	eses (file	d on <u>Febr</u>	uary 26, 2	018	and gi	ven z	Application
	No.	15/9	05,740	b)	1	the		following
	Office	United St	tates Patent 8	<u> ₹ Tradem</u>	ark `	) this	APP	LICATION's
	Applicat	tion No., i	filing date, a	and Office	e, whe	n know	n;	
	was file	d on		and was	given .	Applica	tion	
	No		by the	following	Office	b.		
	45			". ·				

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")):

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Application No.	Filing Date	Office	

Page 1 of 2

PATENT ASSIGN	MENT MS Doc	ket No.: <u>358730A-US-CII</u>
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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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-Val	22nd February 2018
Inventor's Signature	Date ~
Thomas Joseph CASHMAN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

#### PATENT ASSIGNMENT

I <u>Timothy James HUTTON</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>TRACKING RIGGED POLYGON-MESH MODELS OF ARTICULATED OBJECTS</u>" ("APPLICATION"), which:

MS Docket No.: 358730A-US-CIP

$\times$	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 February 26, 2018 and given Application						
	No. $15/905,740$ by the following						
	Office <u>United States Patent &amp; Trademark</u> ) this APPLICATION's						
	Application No., filing date, and Office, when known;						
	was filed on and was given Application						
	Noby the following Office						
	"						

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Application No.	Filing Date	Office

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	*	â	
# #			

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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-Raba	2018-02-21	
Industric Signature	Date	
Timothy James HUTTON		
Printed Name in English	Printed Name in Native Language (if other than English)	-