PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT7191397

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS DAVIES	10/24/2018
MICHAEL HALEY	10/24/2018
ARA DANIELYAN	10/24/2018
MORGAN FABIAN	10/25/2018

RECEIVING PARTY DATA

Name:	AUTODESK, INC.	
Street Address:	eet Address: 111 MCINNIS PKWY	
City:	SAN RAFAEL	
State/Country:	CALIFORNIA	
Postal Code:	94903	

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	17678609		

CORRESPONDENCE DATA

Fax Number: (408)715-1201

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: 4087151211

Email: sjohnson@artegislaw.com, algdocketing@artegislaw.com

ARTEGIS LAW GROUP, LLP **Correspondent Name:**

710 LAKEWAY DRIVE Address Line 1:

Address Line 2: SUITE 120

Address Line 4: SUNNYVALE, CALIFORNIA 94085

ATTORNEY DOCKET NUMBER:	AUTO1444US1C1
NAME OF SUBMITTER:	JOHN C. CAREY
SIGNATURE:	/John C. Carey/
DATE SIGNED:	02/23/2022

Total Attachments: 5

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> **PATENT** REEL: 059081 FRAME: 0159 507144553

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> PATENT REEL: 059081 FRAME: 0160

ASSIGNMENT FOR APPLICATION FOR PATENT WITH DECLARATION STATEMENT

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Names and Addresses of Inventors:

1)	Thomas DAVIES Toronto, ON M5A 2T4 Canada	2)	Michael HALEY San Rafael, CA USA
3)	Ara DANIELYAN Toronto, ON M2J 0A6 Canada	4)	Morgan FABIAN San Francisco, CA USA

(hereinafter referred to as Assignors), have invented a certain invention entitled:

SHAPED-BASED TECHNIQUES FOR EXPLORING DESIGN SPACES

enclosed herewith or for wh	ich application för Lette	ers Patent in the	United States was ti	iea on
October 29, 2018	under Serial No.	16/174,110	_; and	

WHEREAS, **AUTODESK**, **INC.**, a corporation of the State of Delaware, having a place of business at 111 McInnis Pkwy, San Rafael, California 94903 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

- 1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.
- 2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court

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actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

- 3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.
- Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
- 5. In the event that the filing date and/or Application No. of said Invention are not entered above at the time Assignors execute this document, and if such information is deemed necessary, Assignors hereby authorize and request the attorney/agent(s) of **Artegis Law Group, LLP**, to insert above the filing date and/or Application No. of said application.

A CONTRACT OF THE CONTRACT OF	the state of the state of			· .	aid application.
6),	This decl	aration i	s directed to th	he attached application, or (if following box is checked):
		[] Un	ited Sta	tes application	or PCT international application number filed on
A	As a belo	ow name	d invent	or, I hereby de	eclare that:
	-	The abov	e-identi f	ied application	n was made or authorized to be made by me;
Ĭſ		believe to plication;		n the original in	nventor or an original joint inventor of a claimed invention
u					alse statement made in this declaration is punishable imprisonment of not more than 5 years, or both.
				, the said Assi ted below.	ignors have executed and delivered this instrument to
1) .	10/24	/18	(DATE)	Thomas DAVIES
2	")			(DATE)	Michael HALEY
3	i) _		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	(DATE)	Ara DANIELYAN

Morgan FABIAN

(DATE)

4)

actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

- 3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.
- 4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
- 5. In the event that the filing date and/or Application No. of said Invention are not entered above at the time Assignors execute this document, and if such information is deemed necessary, Assignors hereby authorize and request the attorney/agent(s) of **Artegis Law Group**, **LLP**, to insert above the filing date and/or Application No. of said application.

6.	This	declaration is directed to the attached application, or (if following box is checked):
	[]	United States application or PCT international application number
		filed on

As a below named inventor, I hereby declare that:

The above-identified application was made or authorized to be made by me;

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application; and

I acknowledge that any willful false statement made in this declaration is punishable under section 1001 of title 18 by fine or imprisonment of not more than 5 years, or both.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	(DATE)	Thomas DAVIES
2)	10/24/2018 (DATE)	Michael HALEY
3)	(DATE)	Ara DANIELYAN
4)	(DATE)	Morgan FABIAN

actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

- The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.
- 4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
- In the event that the filing date and/or Application No. of said Invention are not entered above Assig above

Assignors he	e time Assignors execute this docu ereby authorize and request the a ing date and/or Application No. of	iment, and if such information is deemed necessary, ttorney/agent(s) of Artegis Law Group, LLP , to insert said application.				
6.	This declaration is directed to	the attached application, or (if following box is checked):				
	[] United States application	on or PCT international application number filed on				
As a	a below named inventor, I hereby	declare that:				
	The above-identified applicati	on was made or authorized to be made by me;				
in th	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application; and					
unde	I acknowledge that any willful false statement made in this declaration is punishable under section 1001 of title 18 by fine or imprisonment of not more than 5 years, or both.					
	VITNESS WHEREOF, the said As see on the dates indicated below.	signors have executed and delivered this instrument to				
1)	(DATE)	Thomas DAVIES				
2)	(DATE)	Michael HALEY				
3)	10/24/18 (DATE)	Ara DANIELYAN				
4)	(DATE)					

Morgan FABIAN

actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

- 3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.
- 4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
- 5. In the event that the filing date and/or Application No. of said Invention are not entered above at the time Assignors execute this document, and if such information is deemed necessary, Assignors hereby authorize and request the attorney/agent(s) of **Artegis Law Group, LLP**, to insert above the filing date and/or Application No. of said application.

	6.	This d	eclaration is	s directed to th	e attached application, or (if following box is checked):
		[]	United Stat	tes application	or PCT international application number filed on
As a below named inventor, I hereby declare that:					
	The above-identified application was made or authorized to be made by me;				
	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application; and				
	I acknowledge that any willful false statement made in this declaration is punishable under section 1001 of title 18 by fine or imprisonment of not more than 5 years, or both.				
IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.					
	1)			(DATE)	Thomas DAVIES
	2)			(DATE)	Michael HALEY
	3)			(DATE)	

Page 2 of 2

4)

10/25/18

(DATE)