503920173 07/18/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3966826

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RICHARD REAGAN	07/11/2016
SAGAR MISTRY	07/11/2016
NATHAN ALLISON	07/11/2016

RECEIVING PARTY DATA

Name:	DISNEY ENTERPRISES, INC.
Street Address:	500 SOUTH BUENA VISTA STREET
City:	BURBANK
State/Country:	CALIFORNIA
Postal Code:	91521

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15213206

CORRESPONDENCE DATA

Fax Number: (858)509-3691

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: 858-720-8900

Email: docketing@sheppardmullin.com

Correspondent Name: DISNEY ENTERPRISES, INC. C/O SHEPPARD MU

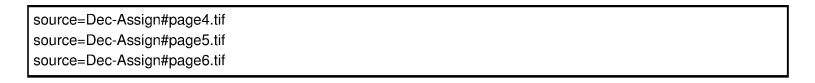
Address Line 1: 12275 EL CAMINO REAL, SUITE 200
Address Line 4: SAN DIEGO, CALIFORNIA 92130-2006

ATTORNEY DOCKET NUMBER:	45WE-226653
NAME OF SUBMITTER:	D. BENJAMIN ESPLIN
SIGNATURE:	/D. Benjamin Esplin/
DATE SIGNED:	07/18/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 6

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PATENT 503920173 REEL: 039182 FRAME: 0093



PATENT REEL: 039182 FRAME: 0094

DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

TITLE OF INVENTION: SYSTEMS AND METHODS FOR GENERATING A VIRTUAL SPACE BASED ON A PHYSICAL LAYOUT OF OBJECTS

As a below named inventor, I hereby declare that:		
This declaration is directed to the attached application, or (if following box is checked):		
[] United States application or PCT international application number, filed on		
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.		
I have reviewed and understand the contents of the application, including the claims.		
I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.		

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, the undersigned inventor(s) (hereinafter "Assignor"), has/have made an invention entitled "SYSTEMS AND METHODS FOR GENERATING A VIRTUAL SPACE BASED ON A PHYSICAL LAYOUT OF OBJECTS" disclosed in the above-identified patent application and further identified by the Attorney Docket Number provided in the header of this document, and

WHEREAS, <u>Disney Enterprises</u>, <u>Inc.</u> (hereinafter "Assignee"), a corporation of Delaware, having a place of business at 500 South Buena Vista Street, Burbank, California 91521 USA, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention, application and all Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said Assignor, by these presents do sell, assign and transfer unto Assignee, its successors, legal representatives and assigns, the full and exclusive right in and to the said invention as described in the said application, and in and to any Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor and all rights to claim priority on the basis of said application; and I further grant to Assignee the sole right to sue and collect damages for past infringement;

AND I HEREBY authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue all said Letters Patent to said Assignee;

AND I HEREBY warrant and covenant that I have the full right to convey the entire interest herein

PATENT 45WE-213434 REEL: 039182 FRAME: 0095

ATTORNEY DOCKET NUMBER: 45WE-226653 Client Ref. No. 15-DIS-433-DI-US-UTL

assigned and that I have not executed and will not execute any instrument or assignment in conflict herewith;

AND I HEREBY agree to communicate to said Assignee or its representatives any facts known to me respecting said invention, to execute all divisional, continuation, reissue, reexamination, extension, substitute, and foreign applications, sign all lawful documents and make all rightful oaths and declarations relating to said invention, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors, legal representatives or assigns, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said Assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said Assignee.

(1) Legal Name of Inventor: Richard Reagan		
Signature:	Date:	7/11/16
(2) Legal Name of Inventor: Sagar Mistry		
Signature:	Date:	
(3) Legal Name of Inventor: Nathan Allison		
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-2-

DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

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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.
I have reviewed and understand the contents of the application, including the claims.
I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.36.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18

WHEREAS, the undersigned inventor(s) (hereinafter "Assignor"), has/have made an invention entitled "SYSTEMS AND METHODS FOR GENERATING A VIRTUAL SPACE BASED ON A PHYSICAL LAYOUT OF OBJECTS" disclosed in the above-identified patent application and further identified by the Attorney Docket Number provided in the header of this document, and

U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, Disney Enterprises, Inc. (hereinafter "Assignce"), a corporation of Delaware, having a place of business at 500 South Buena Vista Street, Burbank, California 91521 USA, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention, application and all Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said Assignor, by these presents do sell, assign and transfer unto Assignee, its successors, legal representatives and assigns, the full and exclusive right in and to the said invention as described in the said application, and in and to any Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor and all rights to claim priority on the basis of said application; and I further grant to Assignee the sole right to sue and collect damages for past infringement;

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PATENT45WE-213434

ATTORNEY DOCKET NUMBER: 45WE-226653 Client Ref. No. 15-DIS-433-DI-US-UTL

assigned and that I have not executed and will not execute any instrument or assignment in conflict herewith;

AND I HEREBY agree to communicate to said Assignee or its representatives any facts known to me respecting said invention, to execute all divisional, continuation, reissue, reexamination, extension, substitute, and foreign applications, sign all lawful documents and make all rightful oaths and declarations relating to said invention, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors, legal representatives or assigns, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said Assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said Assignee.

(1) Legal Name of Inventor: Richard Reagan	
Signature:	Date:
(2) Legal Name of Inventor: Sagar Mistry	
Signature:	Date: <u>07/11/2.016</u>
(3) Legal Name of Inventor: Nathan Allison	
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REEL: 039182 FRAME: 0098

DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

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I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.		

U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.WHEREAS, the undersigned inventor(s) (hereinafter "Assignor"), has/have made an invention entitled

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AND I HEREBY authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue all said Letters Patent to said Assignee;

AND I HEREBY warrant and covenant that I have the full right to convey the entire interest herein

PATENT 45WE-213434 REEL: 039182 FRAME: 0099

ATTORNEY DOCKET NUMBER: 45WE-226653 Client Ref. No. 15-DIS-433-DI-US-UTL

assigned and that I have not executed and will not execute any instrument or assignment in conflict herewith;

AND I HEREBY agree to communicate to said Assignee or its representatives any facts known to me respecting said invention, to execute all divisional, continuation, reissue, reexamination, extension, substitute, and foreign applications, sign all lawful documents and make all rightful oaths and declarations relating to said invention, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors, legal representatives or assigns, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said Assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said Assignee.

(1) Legal Name of Inventor: Richard Reagan	
Signature:	Date:
(2) Legal Name of Inventor: Sagar Mistry	
Signature:	Date:
(3) Legal Name of Inventor: Nathan Allison	
Signature: NotCeARC	Date: 2016-07-11

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RECORDED: 07/18/2016

PATENT⁴⁵WE-213434 REEL: 039182 FRAME: 0100