### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
KIRAN BHAT	05/05/2015
MICHAEL KOPERWAS	05/18/2015
JEFFERY YOST	05/05/2015
JI HUN YU	05/05/2015
SHEILA SANTOS	05/05/2015

#### **RECEIVING PARTY DATA**

Name:	LUCASFILM ENTERTAINMENT COMPANY LTD.
Street Address:	P.O. BOX 29909
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94129-0909

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15424727

#### **CORRESPONDENCE DATA**

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**Phone:** 858-350-6100

**Email:** wgorman@kilpatricktownsend.com, ipefiling@kilpatricktownsend.com

Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP

Address Line 1: 1100 PEACHTREE STREET

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Total Attachments: 6	
DATE SIGNED:	02/03/2017
SIGNATURE:	/William H. Gorman/
NAME OF SUBMITTER:	WILLIAM H. GORMAN
ATTORNEY DOCKET NUMBER:	062854-P14372USC1-1037190

Total Attachments: 6



Attorney Docket No.: 62854-P14372US1-927707 Client Reference No.: 14-DIS-372-LUCAS-US-UTL

#### ASSIGNMENT

(Patent Application)

We, the undersigned, have invented certain inventions and improvements disclosed in a utility (provisional or non-provisional) or design patent application entitled

"DETERMINING CONTROL VALUES OF AN ANIMATION MODEL USING PERFORMANCE CAPTURE,"

the	specificat	ion of	which is	provided	with	this	Assignment	and i	dentified	bу	the
Attorney	Docket	No.	above.	(Ser	ial	No.	14/704,796		filed	1	on
May 5, 2015	) 		)								

For one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which we acknowledge, we:

- 1. Agree to assign, transfer, convey, and sell, hereby assign, transfer, convey, and sell and have assigned, transferred, conveyed, and sold to Lucasfilm Entertainment Company Ltd., a corporation having a principal place of business at P.O. Box 29909, San Francisco, California 94129-0909 ("Assignee"), the entire right, title, and interest in and to:
  - (a) all intellectual property (including, without limitation, any innovation, information, invention, discovery, product, process, work or design) disclosed, embodied, shown, or claimed in the above-referenced patent application, implicitly or explicitly;
  - (b) the above-referenced patent application, the right to claim priority to the above-referenced patent application, all applications based in whole or in part upon the above-referenced patent application, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, reissue, renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced patent application;
  - (c) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter partes reviews and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and

ASSIGNMENT
DETERMINING CONTROL VALUES OF AN ANIMATION MODEL USING PERFORMANCE CAPTURE
Attorney Docket No. 62854-P14372US1-927707
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- (d) all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b) or (c) of this paragraph (including provisional rights to reasonable royalties pursuant to 35 U.S.C. §154(d)) and the right to sue for and collect such damages and royalties for Assignee's own use.
- 2. Authorize and request the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignee any and all patent(s), or other rights or documents, resulting from the intellectual property, patent application(s) and patents described in paragraph 1 of this Assignment.
- 3. Agree to sign all papers and documents, including without limitation, applications, declarations, oaths and petitions, and, at the Assignee's expense, perform any other acts that are necessary in connection with prosecution of patent application(s) or intellectual property described in paragraph 1 of this Assignment and the enforcement of patent(s) or other rights resulting from such patent application(s) or intellectual property.
- 4. Agree that the terms, covenants, and conditions of this Assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon us, as well as our heirs, legal representatives, and assigns.
- 5. Promise and affirm that we have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.
- 6. Authorize Kilpatrick Townsend & Stockton to insert above the application number and filing date of the above-described patent application when known.

Signed on the dates indicated beside our signatures.

Signature:	<u> </u>	Date:_	\$	5	2015
	Kiran Bhat		্	ą	
Signature:		Date:			
	Michael Konerwas				

ASSIGNMENT
DETERMINING CONTROL VALUES OF AN ANIMATION MODEL USING PERFORMANCE CAPTURE
Attorney Docket No. 62854-P14372US1-927707
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Signature: Date: 5/5/20/5Signature: Date: 5/5/20/5Signature: Date: 5/5/15

Sheila Santos

Attorney Docket No.: 62854-P14372US1-927707 Client Reference No.: 14-DIS-372-LUCAS-US-UTL

#### ASSIGNMENT

(Patent Application)

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the	specificati	on of v	which is	provided with	this	Assignment and	identified by	the
Attorney	Docket	No.	above.	(Serial	No.	14/704,796	filed	on
May 5, 2015			)					

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  - (a) all intellectual property (including, without limitation, any innovation, information, invention, discovery, product, process, work or design) disclosed, embodied, shown, or claimed in the above-referenced patent application, implicitly or explicitly;
  - (b) the above-referenced patent application, the right to claim priority to the above-referenced patent application, all applications based in whole or in part upon the above-referenced patent application, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, reissue, renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced patent application;
  - (c) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter partes reviews and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and

# ASSIGNMENT DETERMINING CONTROL VALUES OF AN ANIMATION MODEL USING PERFORMANCE CAPTURE Attorney Docket No. 62854-P14372US1-927707

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- (d) all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b) or (c) of this paragraph (including provisional rights to reasonable royalties pursuant to 35 U.S.C. §154(d)) and the right to sue for and collect such damages and royalties for Assignee's own use.
- 2. Authorize and request the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignee any and all patent(s), or other rights or documents, resulting from the intellectual property, patent application(s) and patents described in paragraph 1 of this Assignment.
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- 4. Agree that the terms, covenants, and conditions of this Assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon us, as well as our heirs, legal representatives, and assigns.
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- 6. Authorize Kilpatrick Townsend & Stockton to insert above the application number and filing date of the above-described patent application when known.

Signed on the dates indicated beside our signatures.

Signature:		Date:_	
	Kiran Bhat		
Signature:		Date:	18 May, 2015
	Michael Roperwas		

## ASSIGNMENT DETERMINING CONTROL VALUES OF AN ANIMATION MODEL USING PERFORMANCE CAPTURE

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Signature:		Date:	
	Jeffery Yost		
Signature:		Date:	
	Ji Hun Yu		
Signature:		Date:	
	Sheila Santos		

RECORDED: 02/03/2017