

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4723801

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the SPELLING OF 2ND INVENTOR'S NAME previously recorded on Reel 042926 Frame 0352. Assignor(s) hereby confirms the 2ND INVENTOR'S LAST NAME SHOULD BE "LO" AND FIRST NAME SHOULD BE "RAYMOND CHUN HING".
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZACHARY R. KINSTNER	03/09/2017
RAYMOND CHUN HING LO	03/17/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	META COMPANY
<b>Street Address:</b>	2855 CAMPUS DRIVE
<b>Internal Address:</b>	SUITE 300
<b>City:</b>	SAN MATEO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94403
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15442534
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Email:</b>	dmipdocketing@sheppardmullin.com
<b>Correspondent Name:</b>	SHEPPARD MULLIN RICHTER AND HAMPTON
<b>Address Line 1:</b>	12275 EL CAMINO REAL SUITE 200
<b>Address Line 4:</b>	SAN DIEGO, CALIFORNIA 92130
<b>ATTORNEY DOCKET NUMBER:</b>	50HL-229772
<b>NAME OF SUBMITTER:</b>	CHELSEA PEARSALL
<b>SIGNATURE:</b>	/Chelsea Pearsall/
<b>DATE SIGNED:</b>	12/07/2017
<b>Total Attachments: 6</b>	
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**PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1

Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>ZACHARY R. KINSTNER</td><td>03/09/2017</td></tr><tr><td>RAYMOND CHUN HING LO</td><td>03/17/2017</td></tr></tbody></table>	Name	Execution Date	ZACHARY R. KINSTNER	03/09/2017	RAYMOND CHUN HING LO	03/17/2017							
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<b>RECEIVING PARTY DATA</b>													
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<b>Fax Number:</b>													
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**Correspondent Name:** SHEPPARD MULLIN RICHTER AND HAMPTON  
**Address Line 1:** 12275 EL CAMINO REAL SUITE 200  
**Address Line 4:** SAN DIEGO, CALIFORNIA 92130

**ATTORNEY DOCKET  
NUMBER:**

50HL-229772

**NAME OF SUBMITTER:**

CHELSEA PEARSALL

**Signature:**

/Chelsea Pearsall/

**Date:**

07/06/2017

**Total Attachments: 2**

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**RECEIPT INFORMATION**

**EPAS ID:** PAT4492390

**Receipt Date:** 07/06/2017

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**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 REDUCING PROCESSING LOAD  
WHEN SIMULATING USER INTERACTION WITH VIRTUAL OBJECTS IN AN  
AUGMENTED REALITY SPACE AND/OR EVALUATING USER INTERACTION WITH  
VIRTUAL OBJECTS IN AN AUGMENTED REALITY SPACE**

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

[X] United States application or PCT international application number 15/442,534,  
filed on February 24, 2017.

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 REDUCING PROCESSING LOAD WHEN SIMULATING  
USER INTERACTION WITH VIRTUAL OBJECTS IN AN AUGMENTED REALITY SPACE  
AND/OR EVALUATING USER INTERACTION WITH VIRTUAL OBJECTS IN AN  
AUGMENTED REALITY SPACE" disclosed in the above-identified patent application and further  
identified by the Attorney Docket Number provided in the header of this document, and

WHEREAS, META COMPANY (hereinafter "Assignee"), having a place of business at 2855 Campus  
Drive, Suite 300, San Mateo, CA 94403, 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;

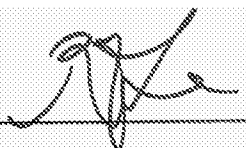
AND I HEREBY warrant and covenant that I have the full right to convey the entire interest herein assigned and that I have not executed and will not execute any instrument or assignment in conflict herewith;

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: **Zachary R. Kinstner**

Signature:  Date: March 9, 2017

(2) Legal Name of Inventor: **Raymond Chun Hing Lo**

Signature:  Date: Mar 17, 2017