

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JUAN MANUEL CRUZ-HERNANDEZ	03/13/2013
ALI MODARRES	03/13/2013
LIWEN WU	03/13/2013
DAVID BIRNBAUM	03/13/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	IMMERSION CORPORATION
<b>Street Address:</b>	30 RIO ROBLES
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95134
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14475857
<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>Phone:</b>	703-610-8680
<b>Email:</b>	lpdocketing@MilesStockbridge.com, hshannon@milesstockbridge.com
<b>Correspondent Name:</b>	MILES & STOCKBRIDGE P.C. IMMERSION CORPO
<b>Address Line 1:</b>	1751 PINNACLE DRIVE
<b>Address Line 2:</b>	SUITE 1500
<b>Address Line 4:</b>	TYSONS CORNER, VIRGINIA 22102-3833
<b>ATTORNEY DOCKET NUMBER:</b>	T9047-19348US02; IMM420C1
<b>NAME OF SUBMITTER:</b>	KEITH M. MULLERVY
<b>SIGNATURE:</b>	/Keith M. Mullervy/
<b>DATE SIGNED:</b>	09/03/2014
<b>Total Attachments: 5</b>	
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## ASSIGNMENT

WHEREAS I/we the below named inventor, (hereinafter referred to as ASSIGNOR), am the original, first and joint inventor, of the invention entitled:

### HAPTIC EFFECT CONVERSION SYSTEM USING GRANULAR SYNTHESIS

which is:

- ☒ is attached hereto;
- ☒ identified as Docket No. 105804.00240; IMM420
- ☐ was filed on \_\_\_\_\_ as United States Application Serial No. \_\_\_\_\_.
- ☐ was filed on \_\_\_\_\_ as PCT International Application No. \_\_\_\_\_ and designated the United States.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I the ASSIGNOR hereby:

Agree to sell, assign, transfer, and convey, and hereby do sell, assign, transfer, and convey to Immersion Corporation, a Delaware corporation, having a business address at 30 Rio Robles, San Jose, California 95134, (hereinafter referred to as ASSIGNEE), the entire right, title, and interest in and to (a) any intellectual property (including without limitation any innovation, information, invention, discovery, product, process, work, copyright, or design) disclosed, embodied, affixed, shown, or claimed in the above-referenced patent application, implicitly or explicitly; (b) the above-referenced patent application, any application based in whole or in part upon the above-referenced patent application, and any application claiming priority to the above-referenced patent application (including without limitation any continuation, continuation-in-part, reissue, reexamination, or foreign patent application based in whole or in part on the above-referenced patent application or claiming priority to the above-referenced patent application); and (c) any Patent (including without limitation domestic and foreign patents, utility models, industrial designs, divisional, reissues, and reexaminations) that is granted or issued upon, or that claims priority to, any and all applications under (b) of this paragraph or that discloses or claims intellectual property under (a) of this paragraph, in whole or in part.

Authorizes and requests the Commissioner of Patents and Trademarks of the United States and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications, to issue said application (including without limitation any division(s), continuation(s) (in whole or in part), substitute(s), or reissue(s) thereof) to the said ASSIGNEE, his successors, legal representatives and assigns, in accordance with the terms of this instrument.


Agree to execute all papers and documents, including without limitation applications, declarations, oaths, petitions, and other papers, and entirely at the ASSIGNEE'S expense, perform any acts which are necessary in connection with the prosecution of patent applications

or intellectual property and/or the enforcement of patents or other rights resulting from such applications or intellectual property.

Covenants and agrees that it has full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith.

Further covenants and agrees that it will communicate to the said ASSIGNEE, his successors, legal representatives and assigns, any facts known to it respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, his successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, the undersigned inventor has affixed his signature.

1.   
Juan Manuel CRUZ-HERNANDEZ

March 13, 2013  
 Date

Witness 786 Date March 13, 2013

Witness Day ly Date March 13, 2013

2. \_\_\_\_\_  
Ali MODARRES Date \_\_\_\_\_

Witness \_\_\_\_\_ Date \_\_\_\_\_

Witness \_\_\_\_\_



3. Liwen Wu Mar. 13, 2013  
Liwen WU Date  
2 Sub  
Witness Ma. 13, 2013  
Date  
Dy H  
Witness March 13, 2013  
Date

4. \_\_\_\_\_  
David BIRNBAUM Date

3.

Liwen WU

Date

Witness

Date

Witness

4.

David Birnbaum  
David BIRNBAUM

2013-03-13  
Date