

## 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>
MATEI CIOCARLIE	08/28/2017
PEDRO PIACENZA	08/16/2017
IOANNIS KYMISSIS	09/11/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK
<b>Street Address:</b>	412 LOW MEMORIAL LIBRARY
<b>Internal Address:</b>	535 WEST 116TH STREET
<b>City:</b>	NEW YORK
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10027
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15782303
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)526-5000
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<b>ATTORNEY DOCKET NUMBER:</b>	19240.1125 US2
<b>NAME OF SUBMITTER:</b>	MICHAEL E. CONNORS
<b>SIGNATURE:</b>	/Michael E. Connors/
<b>DATE SIGNED:</b>	10/31/2017
<b>Total Attachments: 5</b>	
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## ASSIGNMENT

WHEREAS, the undersigned, to wit:

Matei CIOCARLIE residing at 228 S. W. Mudd Building, 500 West 120th Street, New York, New York 10027;

Pedro PIACENZA residing at 528 Riverside Drive, Apartment 5E, New York, New York 10027;

Ioannis KYMISSIS residing at 526 West 113th Street, #63, New York, New York 10025

(hereinafter collectively ASSIGNORS), have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled:

### "OPTICS-BASED TACTILE SENSOR"

(a) ☐ which is being filed herewith in the United States Patent and Trademark Office;

(b) ☒ which was filed as U.S. Patent Application No. 62/407788  
on October 13, 2016 ;

AND WHEREAS, THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK (hereinafter ASSIGNEE), a university having its principal place of business at 412 Low Memorial Library, 535 West 116th Street, New York, New York 10027, is desirous of acquiring the entire right, title, and interest in and to said invention and any and all patents that may be obtained therefor, and in and to said application and any and all patents that may issue therefrom;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS do hereby sell, assign, transfer, and set over unto said ASSIGNEE, its successors, assigns, and legal representatives, all right, title, and interest in and to said invention throughout the world, and any and all patents of the United States and foreign countries that may be obtained therefor, including the right to sue for past infringement and obtain past damages, and in and to said application, including any and all non-provisionals, continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom, such right, title, and interest including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in the name of said ASSIGNEE, its successors, assigns, and legal representatives, throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, and all rights to register said invention in appropriate registries;

ASSIGNORS also do hereby covenant that they have the full right to convey the entire right, title, and interest herein assigned, and that they have not and will not execute any agreement in conflict herewith;

ASSIGNORS also do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application, including any continuations, continuations-in-part, divisions, reissues, re-examinations, substitutions, and extensions thereof, to said ASSIGNEE, its successors, assigns, and legal representatives as the ASSIGNEE of the entire right, title, and interest herein assigned;

ASSIGNORS also do hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to perfect the entire right, title, and interest in said application, including any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom said ASSIGNEE, its successors, assigns, and legal representatives, and generally do everything possible to vest the entire right, title, and interest herein assigned in said ASSIGNEE, its successors, assigns, and legal representatives;

ASSIGNORS also do hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

COLUMBIA UNIVERSITY

All practitioners at Customer Number 56949.

This ASSIGNMENT is effective as of October 13, 2016 .

ASSIGNEE hereby acknowledges and accepts the foregoing assignment.

The undersigned is authorized to act on behalf of ASSIGNEE, THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

8/28/2017

Date



Matei Ciocarlie

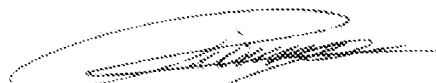
Witness:

8/28/2017

Date

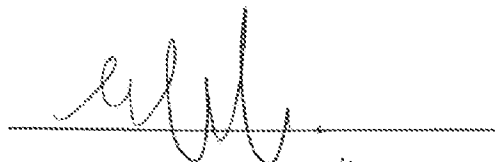


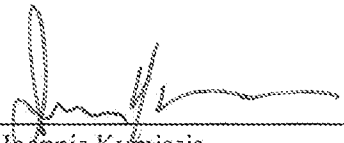
August 16<sup>th</sup>, 2017  
Date

  
Pedro Pincenza

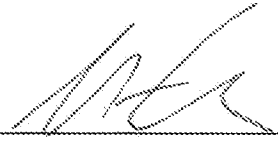
Witness:

August 16<sup>th</sup>, 2017  
Date

  
Martin Haas-Hager

9/11/17   
Date Ioannis Kyriassis

Witness:

9/11/17   
Date