

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5921288


SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NIKOLAY ASENOV ATANASOV	02/21/2018
ALEX ZIHAO ZHU	02/21/2018
KONSTANINOS DANIILIDIS	03/05/2019
RECEIVING PARTY DATA	
Name:	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
Street Address:	3160 CHESTNUT STREET, SUITE 200
City:	PHILADELPHIA
State/Country:	PENNSYLVANIA
Postal Code:	19104
PROPERTY NUMBERS Total: 1	
Property Type	Number
PCT Number:	US2018018196
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Phone:	9194938000
Email:	SBOSWELL@JWTH.COM
Correspondent Name:	GREGORY A. HUNT
Address Line 1:	3015 CARRINGTON MILL BOULEVARD
Address Line 2:	SUITE 550
Address Line 4:	MORRISVILLE, NORTH CAROLINA 27560
ATTORNEY DOCKET NUMBER:	3055/36 PCT
NAME OF SUBMITTER:	GREGORY A. HUNT
SIGNATURE:	/Gregory A. Hunt/
DATE SIGNED:	01/21/2020
Total Attachments: 9	
source=3055_36_PCT_Executed_and_Countersigned_Assignments_PENN_Atanasov_Daniilidis_Zhu#page1.tif	
source=3055_36_PCT_Executed_and_Countersigned_Assignments_PENN_Atanasov_Daniilidis_Zhu#page2.tif	
source=3055_36_PCT_Executed_and_Countersigned_Assignments_PENN_Atanasov_Daniilidis_Zhu#page3.tif	

source=3055_36_PCT_Executed_and_Countersigned_Assignments_PENN_Atanasov_Daniilidis_Zhu#page4.tif
source=3055_36_PCT_Executed_and_Countersigned_Assignments_PENN_Atanasov_Daniilidis_Zhu#page5.tif
source=3055_36_PCT_Executed_and_Countersigned_Assignments_PENN_Atanasov_Daniilidis_Zhu#page6.tif
source=3055_36_PCT_Executed_and_Countersigned_Assignments_PENN_Atanasov_Daniilidis_Zhu#page7.tif
source=3055_36_PCT_Executed_and_Countersigned_Assignments_PENN_Atanasov_Daniilidis_Zhu#page8.tif
source=3055_36_PCT_Executed_and_Countersigned_Assignments_PENN_Atanasov_Daniilidis_Zhu#page9.tif

DOCKET NO.: 3055/36 PCT

ASSIGNMENT

WHEREAS, I, Alex Zihao Zhu, a citizen of New Zealand, residing at ~~233 S. 42nd Street - Apt. 2F, Philadelphia, Pennsylvania~~, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number 3055/36 PCT ("the invention"), assigned application number PCT/US2018/018196 filed February 14, 2018, which is entitled **EVENT-BASED FEATURE TRACKING** ("the subject application"), and which claims priority to patent application number 62/459,039 filed February 14, 2017 ("the priority application").


516 S 12th St,
Unit C,
Philadelphia,
PA

AND WHEREAS, The Trustees of the University of Pennsylvania, ASSIGNEE, having a place of business at 3160 Chestnut Street, Suite 200, Philadelphia, PA 19104, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

DOCKET NO.: 3055/36 PCT

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 25 day of February, year of 2018.



Signature – Alex Zihao Zhu

WITNESS

Philadelphia, PA
Signed At (City/State)

Georgios Pavlakis
Name

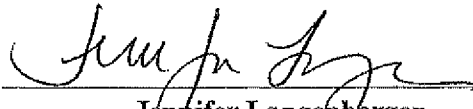
[Handwritten Signature]
Signature

2/25/2018
Date

DOCKET NO.: 3055/36 PCT

This assignment is accepted on behalf of The Trustees of the University of Pennsylvania by:

January 10, 2020
Date



Jennifer Langenberger
Director, Intellectual Property

DOCKET NO.: 3055/36 PCT

ASSIGNMENT

WHEREAS, I, **Nikolay Asenov Atanasov**, a citizen of **Bulgaria**, residing at **3355 Lebon Drive, #303, San Diego, California**, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **3055/36 PCT** ("the invention"), assigned application number **PCT/US2018/018196** filed **February 14, 2018**, which is entitled **EVENT-BASED FEATURE TRACKING** ("the subject application"), and which claims priority to patent application number **62/459,039** filed **February 14, 2017** ("the priority application").

AND WHEREAS, **The Trustees of the University of Pennsylvania**, ASSIGNEE, having a place of business at **3160 Chestnut Street, Suite 200, Philadelphia, PA 19104**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

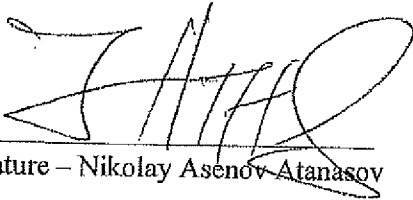
AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

DOCKET NO.: 3055/36 PCT

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 21 day of February, year of 2018.




Signature – Nikolay Asenov Atanasov

WITNESS

La Jolla, CA
Signed At (City/State)

Tianyu Wang
Name



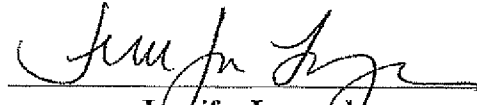
Signature

2 / 21 / 2018
Date

DOCKET NO.: 3055/36 PCT

This assignment is accepted on behalf of The Trustees of the University of Pennsylvania by:

January 10, 2020
Date



Jennifer Langenberger
Director, Intellectual Property

DOCKET NO.: 3055/36 PCT

ASSIGNMENT

WHEREAS, I, **Konstantinos Daniilidis**, a citizen of both **the United States of America and Greece**, residing at **462 Ballytore Road, Wynnewood, Pennsylvania**, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **3055/36 PCT** ("the invention"), assigned application number **PCT/US2018/018196** filed **February 14, 2018**, which is entitled **EVENT-BASED FEATURE TRACKING** ("the subject application"), and which claims priority to patent application number **62/459,039** filed **February 14, 2017**. ("the priority application").

AND WHEREAS, **The Trustees of the University of Pennsylvania**, ASSIGNEE, having a place of business at **3160 Chestnut Street, Suite 200, Philadelphia, PA 19104**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

DOCKET NO.: 3055/36 PCT

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 5th day of March, year of 2019




Signature - Konstantinos Daniilidis

WITNESS

Philadelphia, PA
Signed At (City/State)

Alex Zhu
Name



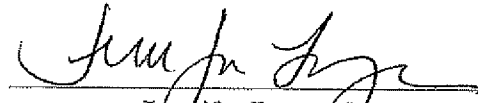
Signature

03/06/19
Date

DOCKET NO.: 3055/36 PCT

This assignment is accepted on behalf of The Trustees of the University of Pennsylvania by:

January 10, 2020
Date



Jennifer Langenberger
Director, Intellectual Property