

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5983204

| | |
|---|--------------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| MIKHAIL Y. GOLOUBEV | 02/20/2020 |
| MATSUICHIRO SHIMIZU | 02/20/2020 |
| RECEIVING PARTY DATA | |
| Name: | BOWIE STATE UNIVERSITY/DR. BISSAHOYO |
| Street Address: | 14000 JERICHO PARK ROAD |
| Internal Address: | ROBINSON HALL, ROOM 110 |
| City: | BOWIE |
| State/Country: | MARYLAND |
| Postal Code: | 20715 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15974614 |
| 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: | 443-838-4065 |
| Email: | mik.goloubev@comcast.net |
| Correspondent Name: | MIKHAIL GOLOUBEV |
| Address Line 1: | 220 EAST EAGER STREET |
| Address Line 4: | BALTIMORE, MARYLAND 21202 |
| NAME OF SUBMITTER: | MIKHAIL GOLOUBEV |
| SIGNATURE: | /MG/ |
| DATE SIGNED: | 02/26/2020 |
| Total Attachments: 6 | |
| source=Recordation_Form_Cover_Sheet#page1.tif | |
| source=BSU Assignment#page1.tif | |
| source=Change of Address_Mikhail#page1.tif | |
| source=Change of Address_Matti#page1.tif | |
| source=Micro_Entity_Institution_Mikhail#page1.tif | |

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)
Mikhail Yurievich Goloubev
Matsuichiro Shimizu

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: BOWIE STATE UNIVERSITY
Internal Address: _____
Street Address: 14000 Jericho Park Road
City: Bowie
State: MD
Country: US Zip: 20715
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
Execution Date(s) February 20, 2020

Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s) 15/974,614
B. Patent No.(s) _____

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Anika Bissahoyo
Internal Address: Bowie State University
Robinson Hall, Room 110
Street Address: 14000 Jericho Park Road
City: Bowie
State: MD Zip: 20715
Phone Number: 301-860-4399
Docket Number: _____
Email Address: abissahoyo@bowiestate.edu

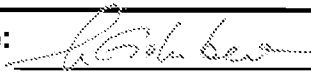

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____

Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

Deposit Account Number _____
Authorized User Name _____

9. Signature:   February 20, 2020
Signature Date
Mikhail Y. Goloubev Matsuichiro Shimizu
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 2

INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

THIS AGREEMENT by and between: Mikhail Yurievich Goloubev an individual having a principal residence at 220 East Eager Street, Baltimore, MD 21202 (hereinafter referred to as "Assignor"), Matsuichiro Shimizu an individual having a principal residence at 8513 Montpelier Drive, Laurel, MD 20708 (hereinafter referred to as "Assignor") and Bowie State University (hereinafter referred to as "Assignee").

WITNESSETH:

WHEREAS, Assignor has created and developed certain inventions, improvements, discoveries, software, or other intellectual property, as described in in U.S. [provisional] patent application number 15/974,614 filed 05/08/2018 entitled "UNIVERSAL DEVICE FOR PRECISE PROJECTILE FLIGHT PREDICTION" and any and all application(s) for Letters Patent in the United States of America and throughout the world, and all divisional, continuation, continuation-in-part, substitutions, renewals, reissues, extensions and other applications pertaining to the foregoing which have or shall be filed in the United States, any foreign country and other jurisdictions (hereinafter collectively referred to as the "Works"); and

WHEREAS, Assignor agrees that, to the extent the Works are, by operation of law or otherwise, not deemed to be works made for hire within the meaning of the Copyright Act, (Title 17, U.S.C. Section 101, et seq.), Assignor agrees to assign all of his/her right, title and interest in and to the Works to Assignee, and further agrees to take such further actions and to execute such further instruments that Assignee might find reasonable or necessary to perfect or to evidence more clearly its right and claim to exclusive ownership of all of Assignor's worldwide intellectual property interests respecting the Works; and

WHEREAS, Assignor and Assignee now wish to perfect and to evidence more clearly the right and claim of Assignee to exclusive ownership of all of Assignor's intellectual property interests respecting the Works.

NOW, THEREFORE, in consideration of the rights granted to Assignor under the University System of Maryland Policy on Intellectual Property, as approved by the Board of Regents of the University System of Maryland, and as amended by them from time to time, and other good and valuable consideration furnished by Assignee to Assignor, the receipt and sufficiency of which are hereby acknowledged, Assignor and Assignee, intending to be legally bound, do hereby covenant and agree as follows:

Section 1. Assignment of the Works.

Assignor hereby assigns, transfers and conveys to Assignee, its successors, assigns or other legal representatives, without the necessity of any consideration in addition to that recited herein, all of Assignor's right, title and interest in and to the Works. This assignment shall be operative with respect to all intellectual property rights in and to the Works, including (without limitation), (i) all copyrights in the United States and elsewhere, including all rights of registration, publication, renewal, rights to create derivative works and all other rights incident to copyright ownership, for the residue now unexpired of the present term of any and all such copyrights and any term thereafter granted during which the Works are entitled to copyright; (ii) all trade secrets, inventions, know-how, ideas and confidential information embodied or reflected in the Works, including any shop rights, for the longest period of protection accorded to such interest under applicable law; and (iii) all patent rights in the United States and elsewhere, including all rights of registration, publication, renewal, and all other works incident to copyright ownership, for the longest period of protection accorded to such interests under applicable law.

Section 2. University System of Maryland Copyright and Patent Policies.

The assignment of rights perfected hereunder shall be governed by the University System of Maryland Policy on Intellectual Property as approved by the Board of Regents of the University System of Maryland, and as amended by them from time to time. Royalty income shall be allocated as set forth in those policies.

Section 3. Warranty.

Assignor warrants and covenants that he/she is an author or inventor of the Works and that as of the date of this Assignment, has taken no action respecting the Works which purports or attempts to transfer or encumber any right, title or interest in or to the Works to any other party; and covenants not to take such action in the future.

Section 4. Jurisdiction.

The validity, interpretation, and effect of this agreement shall be governed by the laws of the State of Maryland and of the United States of America. Any legal proceedings involving claims or disputes regarding this agreement shall be brought in the appropriate court in the State of Maryland.

WHEREAS, the parties have caused this Assignment to be executed on the dates below.

ASSIGNOR

Agreed to by: [Signature of Mikhail Y. Goloubev]

Printed Name: Mikhail Y. Goloubev, Inventor
Date: February 20, 2020

Agreed to by: [Signature of Matsuichiro Shimizu]

Printed Name: Matsuichiro Shimizu, Inventor
Date: February 20, 2020

ASSIGNEE (Bowie State University)

Acknowledged and Agreed to by: [Signature of Anika Bissahoyo]

Printed Name: Anika Bissahoyo, Assistant Vice President for Research
Date: February 25, 2020

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

CHANGE OF CORRESPONDENCE ADDRESS *Application*

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

| | |
|------------------------|----------------------------|
| Application Number | 15/974,614 |
| Filing Date | 05/08/2018 |
| First Named Inventor | Mikhail Yurievich Goloubev |
| Art Unit | 3649 |
| Examiner Name | Peng, Charlie Yu |
| Attorney Docket Number | |

Please change the Correspondence Address for the above-identified patent application to:

The address associated with
Customer Number:

OR

Firm or
Individual Name **Bowie State University**

Address Attn.: Anika Bissahoyo
14000 Jericho Park Road

City **Bowie**

State **Maryland**

Zip **20715**

Country **United States of America**

Telephone **301-860-4399**

Email **abissahoyo@bowiestate.edu**

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

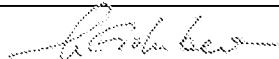
I am the:

Applicant

Attorney or agent of record. Registration Number _____.

Registered practitioner named in the application transmittal papers who acts in a representative capacity under 37 CFR 1.34. See 37 CFR 1.33(a)(1). Registration Number _____.

Signature



Typed or Printed
Name **Mikhail Y. Goloubev**

Date **February 20, 2020**

Telephone **office: 301-860-3326, cell: 443-838-4065**

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.

*Total of 2 (two) forms are submitted.

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**PATENT
REEL: 051937 FRAME: 0187**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

CHANGE OF CORRESPONDENCE ADDRESS *Application*

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

| | |
|------------------------|----------------------------|
| Application Number | 15/974,614 |
| Filing Date | 05/08/2018 |
| First Named Inventor | Mikhail Yurievich Goloubev |
| Art Unit | 3649 |
| Examiner Name | Peng, Charlie Yu |
| Attorney Docket Number | |

Please change the Correspondence Address for the above-identified patent application to:

The address associated with
Customer Number:

OR

Firm or
Individual Name **Bowie State University**

Address Attn.: Anika Bissahoyo
14000 Jericho Park Road

City **Bowie**

State **Maryland**

Zip **201715**

Country **United States of America**

Telephone **301-860-4399**

Email **abissahoyo@bowiestate.edu**

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

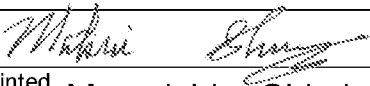
I am the:

Applicant

Attorney or agent of record. Registration Number _____.

Registered practitioner named in the application transmittal papers who acts in a representative capacity under 37 CFR 1.34. See 37 CFR 1.33(a)(1). Registration Number _____.

Signature



Typed or Printed
Name **Matsuichiro Shimizu**

Date **February 20, 2020**

Telephone **301-377-2804**

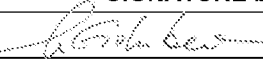
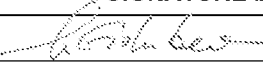
NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.

*Total of 2 (two) forms are submitted.

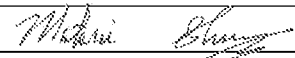
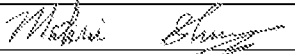
This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PATENT
REEL: 051937 FRAME: 0188

| CERTIFICATION OF MICRO ENTITY STATUS (INSTITUTION OF HIGHER EDUCATION BASIS) | | | | |
|---|---|---|------------------|--------------|
| Application Number or Control Number (if applicable): 15/974,614 | | Patent Number (if applicable): | | |
| First Named Inventor: Mikhail Yurievich Goloubev | | Title of Invention: Universal Device for Precise Projectile Flight Prediction | | |
| CERTIFICATION ON THE BASIS OF EMPLOYMENT BY AN INSTITUTION OF HIGHER EDUCATION | | | | |
| The applicant hereby certifies the following— | | | | |
| The applicant qualifies as a small entity as defined in 37 CFR 1.27. | | | | |
| The applicant's employer, from which the applicant obtains the majority of the applicant's income, is an institution of higher education as defined in section 101(a) of the Higher Education Act of 1965 (20 U.S.C. 1001(a)). | | | | |
| SIGNATURE by an authorized party set forth in 37 CFR 1.33(b) | | | | |
| Signature | |  | | |
| Name | | Mikhail Y. Goloubev | | |
| Date | | Feb. 20, 2020 | Telephone | 301-860-3326 |
| | | | Registration No. | |
| <input checked="" type="checkbox"/> | There is more than one inventor and I am one of the inventors who are jointly identified as the applicant. The required additional certification form(s) signed by the other joint inventor(s) are included with this form. | | | |
| CERTIFICATION ON THE BASIS OF ASSIGNMENT OR OBLIGATION TO ASSIGN TO AN INSTITUTION OF HIGHER EDUCATION | | | | |
| The applicant hereby certifies the following— | | | | |
| The applicant qualifies as a small entity as defined in 37 CFR 1.27. | | | | |
| The applicant has assigned, granted, conveyed, or is under an obligation by contract or law, to assign, grant, or convey, a license or other ownership interest in the particular application to an institution of higher education as defined in section 101(a) of the Higher Education Act of 1965 (20 U.S.C. 1001(a)). | | | | |
| SIGNATURE by an authorized party set forth in 37 CFR 1.33(b) | | | | |
| Signature | |  | | |
| Name | | Mikhail Y. Goloubev | | |
| Date | | Feb. 20, 2020 | Telephone | 301-860-3326 |
| | | | Registration No. | |
| <input checked="" type="checkbox"/> | There is more than one inventor and I am one of the inventors who are jointly identified as the applicant. The required additional certification form(s) signed by the other joint inventor(s) are included with this form. | | | |

NOTE: A signed copy of this "institution of higher education basis" micro entity certification form (PTO/SB/15B) filed together with a signed copy of the "gross income basis" micro entity certification form (PTO/SB/15A) will be taken to be a representation that any inventor or person applying for a patent as provided in 37 CFR 1.46 not qualifying on the "gross income basis" qualifies on the "institution of higher education basis."

| CERTIFICATION OF MICRO ENTITY STATUS (INSTITUTION OF HIGHER EDUCATION BASIS) | | | | |
|---|---|---|--|--------------|
| Application Number or Control Number (if applicable): <p style="text-align: center;">15/974,614</p> | | | Patent Number (if applicable): | |
| First Named Inventor: <p style="text-align: center;">Mikhail Yurievich Goloubev</p> | | | Title of Invention: Universal Device for Precise Projectile Flight Prediction | |
| CERTIFICATION ON THE BASIS OF EMPLOYMENT BY AN INSTITUTION OF HIGHER EDUCATION | | | | |
| The applicant hereby certifies the following— | | | | |
| The applicant qualifies as a small entity as defined in 37 CFR 1.27. | | | | |
| The applicant's employer, from which the applicant obtains the majority of the applicant's income, is an institution of higher education as defined in section 101(a) of the Higher Education Act of 1965 (20 U.S.C. 1001(a)). | | | | |
| SIGNATURE by an authorized party set forth in 37 CFR 1.33(b) | | | | |
| Signature | |  | | |
| Name | | Matsuichiro Shimizu | | |
| Date | | Feb. 20, 2020 | Telephone | 301-377-2804 |
| | | Registration No. | | |
| <input checked="" type="checkbox"/> | There is more than one inventor and I am one of the inventors who are jointly identified as the applicant. The required additional certification form(s) signed by the other joint inventor(s) are included with this form. | | | |
| CERTIFICATION ON THE BASIS OF ASSIGNMENT OR OBLIGATION TO ASSIGN TO AN INSTITUTION OF HIGHER EDUCATION | | | | |
| The applicant hereby certifies the following— | | | | |
| The applicant qualifies as a small entity as defined in 37 CFR 1.27. | | | | |
| The applicant has assigned, granted, conveyed, or is under an obligation by contract or law, to assign, grant, or convey, a license or other ownership interest in the particular application to an institution of higher education as defined in section 101(a) of the Higher Education Act of 1965 (20 U.S.C. 1001(a)). | | | | |
| SIGNATURE by an authorized party set forth in 37 CFR 1.33(b) | | | | |
| Signature | |  | | |
| Name | | Matsuichiro Shimizu | | |
| Date | | Feb. 20, 2020 | Telephone | 301-377-2804 |
| | | Registration No. | | |
| <input checked="" type="checkbox"/> | There is more than one inventor and I am one of the inventors who are jointly identified as the applicant. The required additional certification form(s) signed by the other joint inventor(s) are included with this form. | | | |

NOTE: A signed copy of this "institution of higher education basis" micro entity certification form (PTO/SB/15B) filed together with a signed copy of the "gross income basis" micro entity certification form (PTO/SB/15A) will be taken to be a representation that any inventor or person applying for a patent as provided in 37 CFR 1.46 not qualifying on the "gross income basis" qualifies on the "institution of higher education basis."