505541075 06/24/2019

EPAS ID: PAT5587872

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EDUARDO GURGEL DO AMARAL VALENTE	04/03/2019
NORMAN WERELEY	04/23/2019
EVANDRO GURGEL DO AMARAL VALENTE	04/03/2019

RECEIVING PARTY DATA

Name:	e: UNIVERSITY OF MARYLAND, COLLEGE PARK			
Street Address: 7999 REGENTS DRIVE				
City:	COLLEGE PARK			
State/Country:	MARYLAND			
Postal Code:	20742-5213			

PROPERTY NUMBERS Total: 2

Property Type	Number		
Application Number:	62212312		
PCT Number:	US2016049429		

CORRESPONDENCE DATA

Fax Number: (301)314-9502

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.

Phone: 3014058410 Email: patents@umd.edu

Correspondent Name: UNIVERSITY OF MARYLAND, OTC

Address Line 1: 2130 MITCHELL BUILDING, 7999 REGENTS DRIVE

Address Line 2: ATTN: CHARLENE THOMPSON

Address Line 4: COLLEGE PARK, MARYLAND 20742-5213

ATTORNEY DOCKET NUMBER:	PS-2015-102		
NAME OF SUBMITTER:	CHARLENE E. THOMPSON		
SIGNATURE:	/Charlene E. Thompson/		
DATE SIGNED:	06/24/2019		

Total Attachments: 6

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PATENT 505541075 REEL: 049569 FRAME: 0740

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> PATENT REEL: 049569 FRAME: 0741

INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

THIS AGREEMENT by and between: **Norman W. Wereley** an individual having a principal residence at **10109 Lloyd Road Potomac**, **MD 20854** (hereinafter referred to as "Assignor"), and the University of Maryland, College Park (hereinafter referred to as "Assignee").

WITNESSETH:

WHEREAS, Assignor has created and developed certain inventions, improvements, discoveries, software, or other intellectual property, as described in Assignee Invention Disclosure No. **PS-2015-102** entitled "Thrust Vectored Lifting Body Vehicle" and further described in the patent applications listed in Appendix A 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 filled 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 <u>University of Maryland Policy on Intellectual Property</u>, as approved by the Board of Regents of the University 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. <u>University of Maryland Copyright and Patent Policies</u>.

The assignment of rights perfected hereunder shall be governed by the <u>University of Maryland Policy on Intellectual Property</u> as approved by the Board of Regents of the University 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:	ASSIGNEE (University of Maryland Acknowledged and Agreed to by:
Norman Wereley Wereley	Facint
Printed Name: Norman M. Wereley Inventor	Printed Name: Felicia Metz Assistant Director
Date:	Date: <u>6.21-19</u>

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APPENDIX A

Assignee Disclosure No.	Country	Patent Application No.	Filing Date	Title	Issued Patent No.	Issue Date
PS-2015-102	U.S. Prov.	62/212312	8/31/2015	Air, Water, and Land Vehicle	NA	NA
	PCT	US/2016/049429	8/30/2016	Universal Vehicle with	NA	NA NA
· .	U.S. National Stage	15/755187	2/26/2018	Improved Stability for Safe Operation in		
	Brazil	BR112018004002- 9	8/30/2016	Air, Water and Terrain Environments		
	Israel	257770	8/30/2016		·	
	Australia	2016316954	8/30/2016			
	China	20168006122X	8/30/2016			
	Canada	3,008,136	8/30/2016			
	Europe	16842803.5	8/30/2016			
•	Japan	2018-511220	8/30/2016			

INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

THIS AGREEMENT by and between: Eduardo Gurgel do Amaral Valente an individual having a principal residence at 9200 Tuckahoe Lane, Hyattsville, MD 20783 (hereinafter referred to as "Assignor"), and the University of Maryland, College Park (hereinafter referred to as "Assignee"),

WITNESSETH:

WHEREAS, Assignor has created and developed certain inventions, improvements, discoveries, software, or other intellectual property, as described in Assignee Invention Disclosure No. PS-2015-102 entitled "Thrust Vectored Lifting Body Vehicle" and further described in the patent applications listed in Appendix A 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 of Maryland Policy on Intellectual Property, as approved by the Board of Regents of the University 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 of Maryland Copyright and Patent Policies

The assignment of rights perfected heraunder shall be governed by the University of Maryland Policy on Intellectual Property as approved by the Board of Regents of the University 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:

Date:

Rdo Gungel do A. Valente Je. Printed Name: Eduardo Gurgel do Amaral Valente

04/03/2019

ASSIGNEE (University of Maryland) Acknowledged and Agreed to by:

Printed Name: Felicia Metz

Assistant Director

Date:

Page 1 of 2

APPENDIX A

Assignee Disclosure No.	Country	Patent Application No.	Filing Date	Title	Issued Patent No.	Issue Date
PS-2015-102	U.S. Prov.	62/212312	8/31/2015	Air, Water, and Land Vehicle	NA	NA NA
	PCT	US/2016/049429	8/30/2016	Universal Vehicle with	NA	NA
U.S. National Stage Brazil Israel Australia China Canada Europe	National	15/755187	2/26/2018	Improved Stability for Safe Operation in		
	Brazil	BR112018004002- 9	8/30/2016	Air, Water and Terrain Environments		-
	Israel	257770	8/30/2016	• .		
	Australia	2016316954	8/30/2016		<u> </u>	
	China	20168006122X	8/30/2016			
	Canada	3,008,136	8/30/2016			
	Europe	16842803.5	8/30/2016		· · · · · · · · · · · · · · · · · · ·	
	Japan	2018-511220	8/30/2016			

INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

THIS AGREEMENT by and between: **Evandro Gurgel do Amaral Valente** an individual having a principal residence at 12305 **Quintette Lane, Bowie, MD 20720** (hereinafter referred to as "Assignor"), and the University of Maryland, College Park (hereinafter referred to as "Assignee").

WITNESSETH:

WHEREAS, Assignor has created and developed certain inventions, improvements, discoveries, software, or other intellectual property, as described in Assignee Invention Disclosure No. PS-2015-102 entitled "Thrust Vectored Lifting Body Vehicle" and further described in the patent applications listed in Appendix A 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 <u>University of Maryland Policy on Intellectual Property</u>, as approved by the Board of Regents of the University 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 of Maryland Copyright and Patent Policies.

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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. <u>Jurisdiction</u>.

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.

ASSIGNACE AGREETO DY: County 67. Valente

Printed Name: Evandro Gurgel do Amaral Valente

Invento

Date:

ASSIGNEE (University of Maryland)
Acknowledged and Agreed to by:

Printed Name: Felicia Metz

Assistant Director

Date:

6-21-19

APPENDIX A

Assignee Disclosure No.	Country	Patent Application No.	Filing Date	Title	Issued Patent No.	Issue Date
PS-2015-102	U.S. Prov.	62/212312	8/31/2015	Air, Water, and Land Vehicle	NA ·	NA
•	PCT	US/2016/049429	8/30/2016	Universal Vehicle with	NA	NA ,
U.S. National Stage Brazil Israel Australia China Canada Europe Japan	National	15/755187	2/26/2018	Improved Stability for Safe Operation in Air, Water and Terrain Environments		
	Brazil	BR112018004002- 9	8/30/2016			
	Israel	257770	8/30/2016			· ·
	Australia	2016316954	8/30/2016			-
	China	20168006122X	8/30/2016			
	Canada	3,008,136	8/30/2016			
	Еигоре	16842803.5	8/30/2016		•	
	Japan	2018-511220	8/30/2016			

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RECORDED: 06/24/2019