

UTILITY PATENT APPLICATION TRANSMITTAL		Attorney Docket No. MHLCUS 3.0F-002	
		First Named Inventor Jacob Langelaan	
		Title	Powered Hydrofoil Board
(Only for new nonprovisional applications under 37 CFR 1.53(b))		Express Mail Label No.	

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
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1. ☒ Fee Transmittal Form (PTO/SB/17 or equivalent) 2. ☒ Applicant asserts small entity status. See 37 CFR 1.27 3. ☐ Applicant certifies micro entity status. See 37 CFR 1.29. Applicant must attach form PTO/SB/15A or B or equivalent. 4. ☒ Specification [Total Pages <u>12</u>] Both the claims and abstract must start on a new page. (See MPEP § 608.01(a) for information on the preferred arrangement) 5. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets <u>4</u>] 6. Inventor's Oath or Declaration [Total Pages <u> </u>] (including substitute statements under 37 CFR 1.64 and assignments serving as an oath or declaration under 37 CFR 1.63(e)) a. ☐ Newly executed (original or copy) b. ☐ A copy from a prior application (37 CFR 1.63(d)) 7. ☒ Application Data Sheet * See note below. See 37 CFR 1.76 (PTO/AIA/14 or equivalent) 8. CD-ROM or CD-R in duplicate, large table, or Computer Program (Appendix) ☐ Landscape Table on CD 9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, items a. – c. are required) a. ☐ Computer Readable Form (CRF) b. ☐ Specification Sequence Listing on: i. ☐ CD-ROM or CD-R (2 copies); or ii. ☐ Paper c. ☐ Statements verifying identity of above copies	ACCOMPANYING APPLICATION PAPERS 10. ☐ Assignment Papers (cover sheet & document(s)) Name of Assignee <div style="border: 1px solid black; height: 30px; width: 100%;"></div> 11. ☐ 37 CFR 3.73(c) Statement ☐ Power of Attorney (when there is an assignee) 12. ☐ English Translation Document (if applicable) 13. ☐ Information Disclosure Statement (PTO/SB/08 or PTO-1449) ☐ Copies of citations attached 14. ☐ Preliminary Amendment 15. ☐ Return Receipt Postcard (MPEP § 503) (Should be specifically itemized) 16. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed) 17. ☐ Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent. 18. ☐ Other: <div style="border: 1px solid black; height: 40px; width: 100%;"></div>
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***Note:** (1) Benefit claims under 37 CFR 1.78 and foreign priority claims under 1.55 must be included in an Application Data Sheet (ADS).
 (2) For applications filed under 35 U.S.C. 111, the application must contain an ADS specifying the applicant if the applicant is an assignee, person to whom the inventor is under an obligation to assign, or person who otherwise shows sufficient proprietary interest in the matter. See 37 CFR 1.46(b).

19. CORRESPONDENCE ADDRESS			
☒ The address associated with Customer Number: <u>00530</u>		OR ☐ Correspondence address below	
Name			
Address			
City	State	Zip Code	
Country	Telephone	Email	
Signature	/Brent L. Farese/		Date
Name (Print/Type)	Brent L. Farese		Registration No. (Attorney/Agent)
		March 8, 2016	
		63,617	

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via the Office electronic filing system in accordance with 37 CFR § 1.6(a)(4).

Dated: March 8, 2016

Electronic Signature for Brent L. Farese: /Brent L. Farese/

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

FEE TRANSMITTAL		Complete if known	
☒ Applicant asserts small entity status. See 37 CFR 1.27. ☐ Applicant certifies micro entity status. See 37 CFR 1.29. Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.		Application Number	Not Yet Assigned
		Filing Date	Concurrently Herewith
		First Named Inventor	Jacob Langelaan
		Examiner Name	Not Yet Assigned
		Art Unit	N/A
TOTAL AMOUNT OF PAYMENT (\$)		730.00	Practitioner Docket No. MHLCUS 3.0F-002

METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____
☐ Deposit Account Deposit Account Number: 12-1095 Deposit Account Name: Lerner, David, Littenberg, Krumholz & Mentlik, LLP

For the above-identified deposit account, the Director is hereby authorized to (check all that apply):

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, **except for the filing fee**
☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayment of fee(s)

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES (U = undiscounted fee; S = small entity fee; M = micro entity fee)

Application Type	FILING FEES			SEARCH FEES			EXAMINATION FEES			Fees Paid (\$)
	U (\$)	S (\$)	M (\$)	U (\$)	S (\$)	M (\$)	U (\$)	S (\$)	M (\$)	
Utility	280	140*	70	600	300	150	720	360	180	730.00
Design	180	90	45	120	60	30	460	230	115	
Plant	180	90	45	380	190	95	580	290	145	
Reissue	280	140	70	600	300	150	2,160	1,080	540	
Provisional	260	130	65	0	0	0	0	0	0	

* The \$140 small entity status filing fee for a utility application is further reduced to \$70 for a small entity status applicant who files the application via EFS-Web.

2. EXCESS CLAIM FEES

Fee Description	Undiscounted Fee (\$)	Small Entity Fee (\$)	Micro Entity Fee (\$)
Each claim over 20 (including Reissues)	80	40	20
Each independent claim over 3 (including Reissues)	420	210	105
Multiple dependent claims	780	390	195

Total Claims Extra Claims Fee (\$) Fee Paid (\$) Multiple Dependent Claims
12 - 20 or HP = _____ x _____ = _____ Fee (\$) Fee Paid (\$)
 HP = highest number of total claims paid for, if greater than 20.

Indep. Claims Extra Claims Fee (\$) Fee Paid (\$)
1 - 3 or HP = _____ x _____ = _____
 HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$400 (\$200 for small entity) (\$100 for micro entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
12	- 100 = _____	/50 = _____ (round up to a whole number)	x _____ = _____	

4. OTHER FEE(S)

Non-English specification, \$130 fee (no small or micro entity discount) _____ Fees Paid (\$)

Non-electronic filing fee under 37 CFR 1.16(t) for a utility application, \$400 fee (\$200 small or micro entity) _____

Other (e.g., late filing surcharge): _____

SUBMITTED BY			
Signature	/Brent L. Farese/	Registration No. (Attorney/Agent)	63,617
Name (Print/Type)	Brent L. Farese	Telephone	(908) 518-6328
		Date	March 8, 2016

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

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	MHLCUS 3.0F-002
		Application Number	
Title of Invention	Powered Hydrofoil Board		
<p>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.</p> <p>This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</p>			

Secrecy Order 37 CFR 5.2:

☐	Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
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Inventor Information:

Inventor	1				Remove	
Legal Name						
Prefix	Given Name	Middle Name	Family Name	Suffix		
	Jacob	Willem	Langelan			
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service						
City	State College	State/Province	PA	Country of Residence	US	
Mailing Address of Inventor:						
Address 1	606 Devonshire Drive					
Address 2						
City	State College	State/Province	PA			
Postal Code	16803	Country	US			
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button. Add						

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).	
☐ An Address is being provided for the correspondence information of this application.	
Customer Number	00530
Email Address	<input type="text"/> Add Email Remove Email

Application Information:

Title of the Invention	Powered Hydrofoil Board		
Attorney Docket Number	MHLCUS 3.0F-002	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	4	Suggested Figure for Publication (if any)	1

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	MHLCUS 3.0F-002
		Application Number	
Title of Invention	Powered Hydrofoil Board		

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	00530		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	14509289	2014-10-08

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	MHLCUS 3.0F-002
		Application Number	
Title of Invention	Powered Hydrofoil Board		
Prior Application Status	Expired	Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
14509289	Claims benefit of provisional	61889071	2013-10-10
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.			Add

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)ⁱ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

			Remove
Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			Add

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

☐ NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	MHLCUS 3.0F-002
		Application Number	
Title of Invention	Powered Hydrofoil Board		

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	MHLCUS 3.0F-002
		Application Number	
Title of Invention	Powered Hydrofoil Board		

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.				
Applicant	1			Remove
<p>If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.</p>				
Clear				
Assignee	Legal Representative under 35 U.S.C. 117		Joint Inventor	
Person to whom the inventor is obligated to assign.		Person who shows sufficient proprietary interest		
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:				
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>				
Name of the Deceased or Legally Incapacitated Inventor: <div style="border: 1px solid black; width: 450px; height: 20px;"></div>				
If the Applicant is an Organization check here. ☐				
Prefix	Given Name	Middle Name	Family Name	Suffix
<div style="border: 1px solid black; height: 20px; width: 50px;"></div>	<div style="border: 1px solid black; height: 20px; width: 150px;"></div>	<div style="border: 1px solid black; height: 20px; width: 100px;"></div>	<div style="border: 1px solid black; height: 20px; width: 150px;"></div>	<div style="border: 1px solid black; height: 20px; width: 50px;"></div>
Mailing Address Information For Applicant:				
Address 1	<div style="border: 1px solid black; height: 20px; width: 660px;"></div>			
Address 2	<div style="border: 1px solid black; height: 20px; width: 660px;"></div>			
City	<div style="border: 1px solid black; height: 20px; width: 240px;"></div>	State/Province	<div style="border: 1px solid black; height: 20px; width: 180px;"></div>	
Country	<div style="border: 1px solid black; height: 20px; width: 350px;"></div>	Postal Code	<div style="border: 1px solid black; height: 20px; width: 180px;"></div>	
Phone Number	<div style="border: 1px solid black; height: 20px; width: 240px;"></div>	Fax Number	<div style="border: 1px solid black; height: 20px; width: 180px;"></div>	
Email Address	<div style="border: 1px solid black; height: 20px; width: 660px;"></div>			
Additional Applicant Data may be generated within this form by selecting the Add button. Add				

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	MHLCUS 3.0F-002
		Application Number	
Title of Invention	Powered Hydrofoil Board		

Assignee	1			
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.				
				<input type="button" value="Remove"/>
If the Assignee or Non-Applicant Assignee is an Organization check here.				☐
Prefix	Given Name	Middle Name	Family Name	Suffix
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Mailing Address Information For Assignee including Non-Applicant Assignee:				
Address 1	<input type="text"/>			
Address 2	<input type="text"/>			
City	<input type="text"/>	State/Province	<input type="text"/>	
Country ⁱ	<input type="text"/>	Postal Code	<input type="text"/>	
Phone Number	<input type="text"/>	Fax Number	<input type="text"/>	
Email Address	<input type="text"/>			
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.				<input type="button" value="Add"/>

Signature:

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). However, if this Application Data Sheet is submitted with the **INITIAL** filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Brent L. Farese/		Date (YYYY-MM-DD)	2016-03-08
First Name	Brent	Last Name	Farese	Registration Number
				63617
Additional Signature may be generated within this form by selecting the Add button.				<input type="button" value="Add"/>

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	MHLCUS 3.0F-002
		Application Number	
Title of Invention	Powered Hydrofoil Board		

This collection of information is required by 37 CFR 1.76. 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 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet 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.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:				
Filing Date:				
Title of Invention:	Powered Hydrofoil Board			
First Named Inventor/Applicant Name:	Jacob Willem Langelaan			
Filer:	Brent L. Farese			
Attorney Docket Number:	MHLCUS 3.0F-002			
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility filing Fee (Electronic filing)	4011	1	70	70
Utility Search Fee	2111	1	300	300
Utility Examination Fee	2311	1	360	360
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				730

Electronic Acknowledgement Receipt

EFS ID:	25140957
Application Number:	15064521
International Application Number:	
Confirmation Number:	7155
Title of Invention:	Powered Hydrofoil Board
First Named Inventor/Applicant Name:	Jacob Willem Langelaan
Customer Number:	530
Filer:	Brent L. Farese
Filer Authorized By:	
Attorney Docket Number:	MHLCUS 3.0F-002
Receipt Date:	08-MAR-2016
Filing Date:	
Time Stamp:	20:03:27
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Drawings-only black and white line drawings	Drawings.pdf	360922 9c75f8065a961c9fc44893f1be842e3805cd447f	no	4

Warnings:

Information:

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	Multipart Description/PDF files in .zip description				
	Document Description	Start	End		
	Specification	1	9		
	Claims	10	11		
	Abstract	12	12		
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3	Transmittal of New Application	Transmittal.pdf	387182	no	1
			52a641f834c3e350cd361d50b37daa0685167702		
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4	Fee Worksheet (SB06)	Fees.pdf	382828	no	1
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5	Application Data Sheet	ADS.pdf	1822950	no	8
			bfd360e47e632e60c5a07a7ac0fb008319547fb7		
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6	Fee Worksheet (SB06)	fee-info.pdf	34535	no	2
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New Applications Under 35 U.S.C. 111

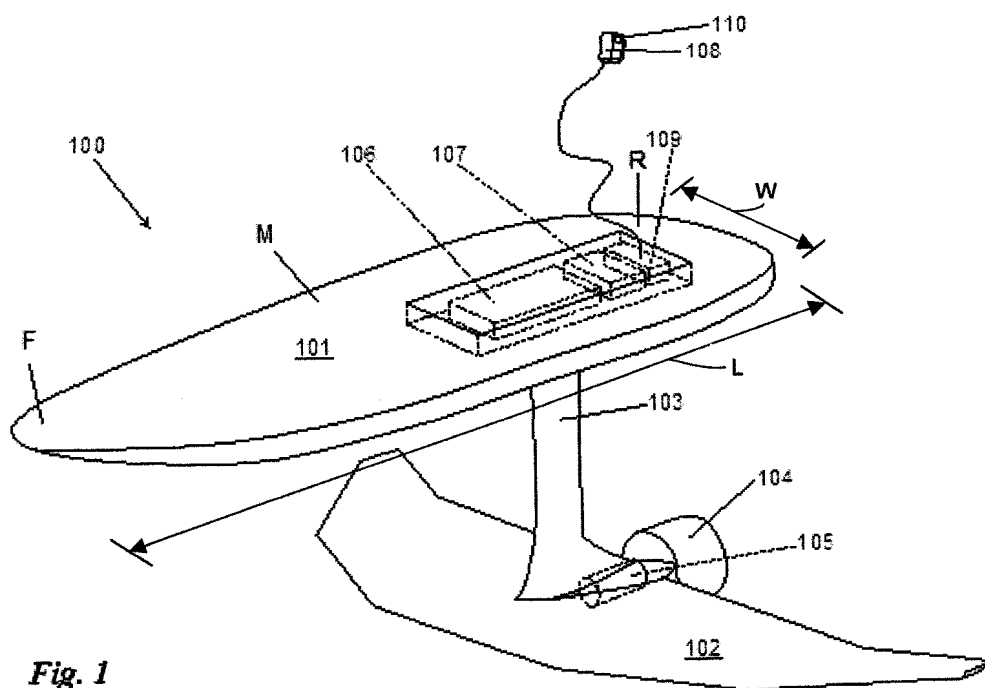
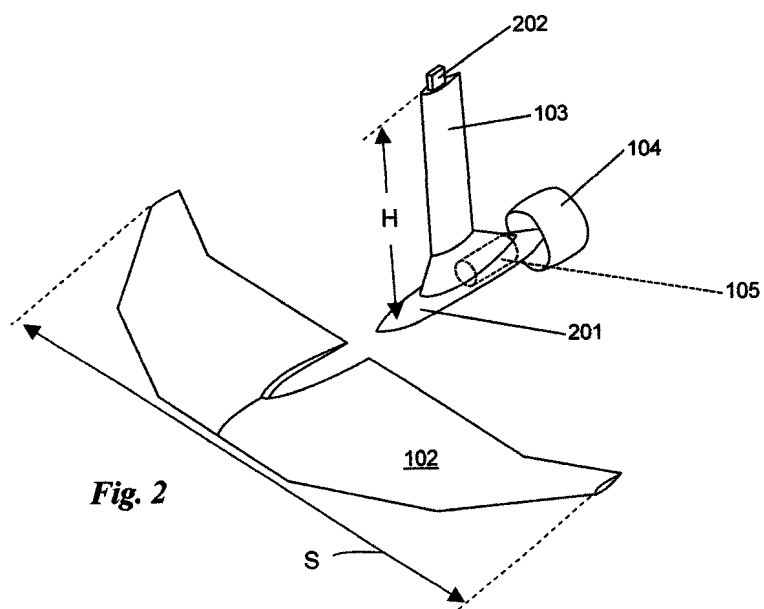
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

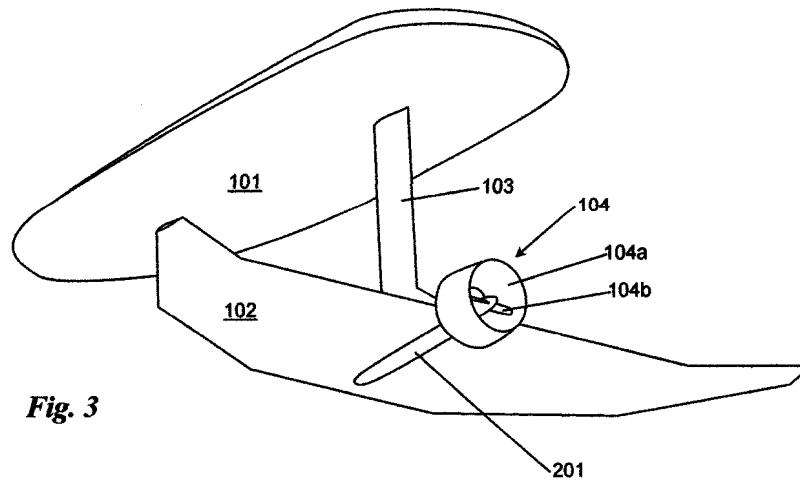
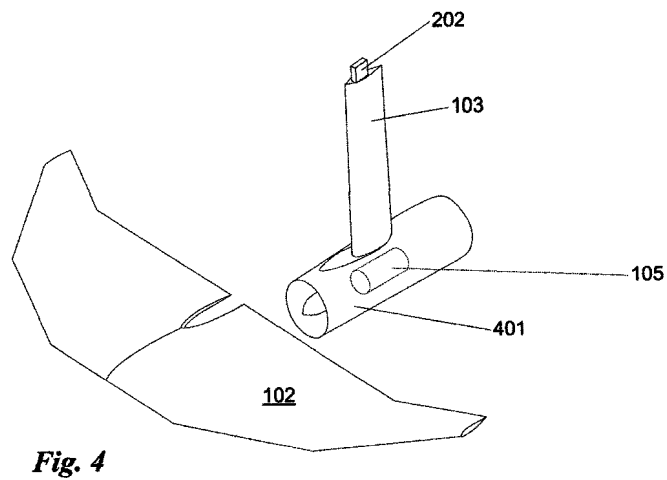
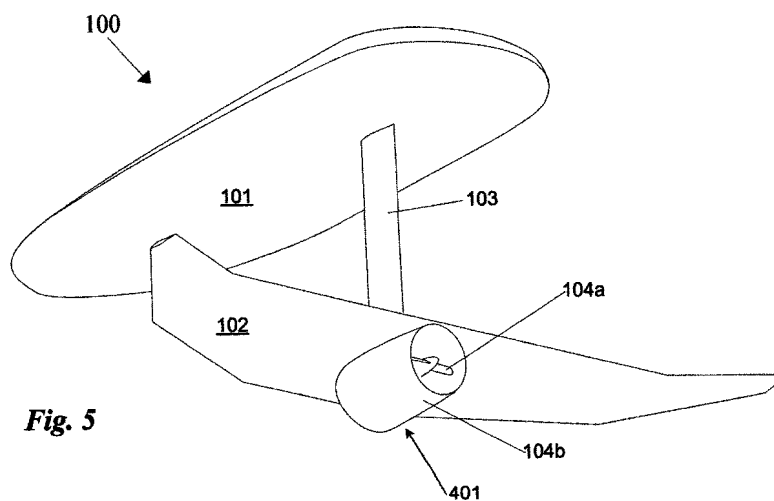
National Stage of an International Application under 35 U.S.C. 371

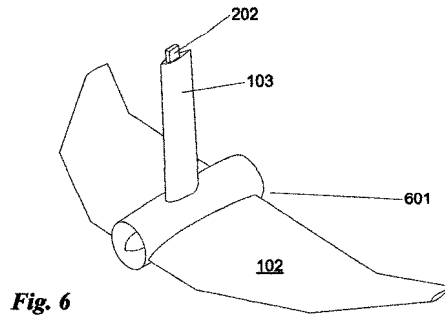
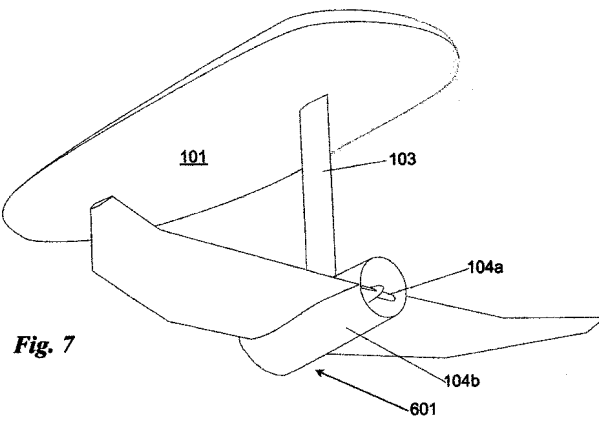
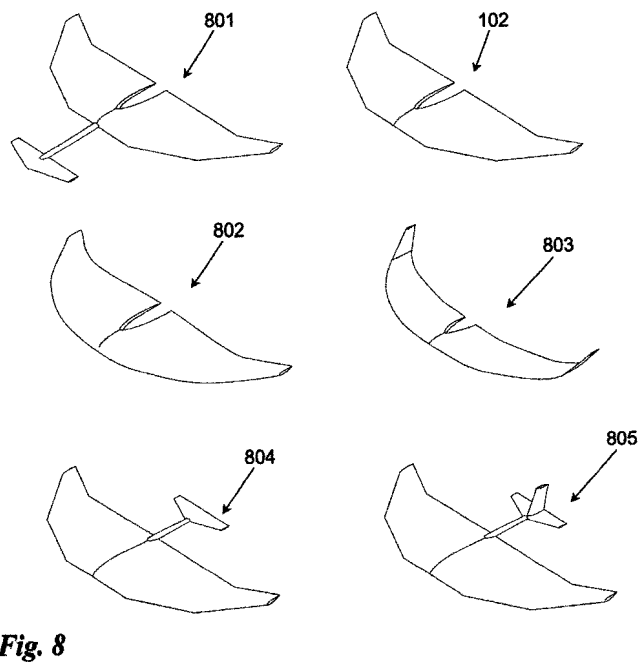
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

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If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.







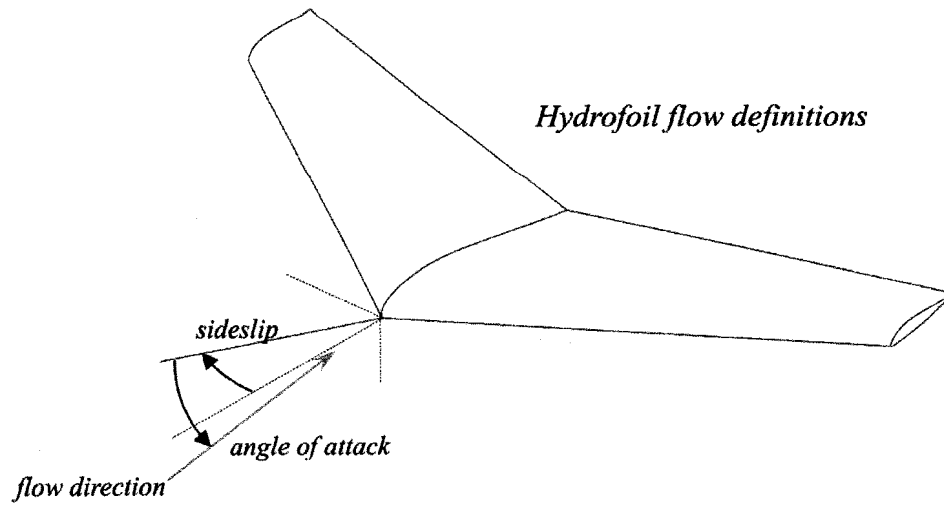


Fig. 9

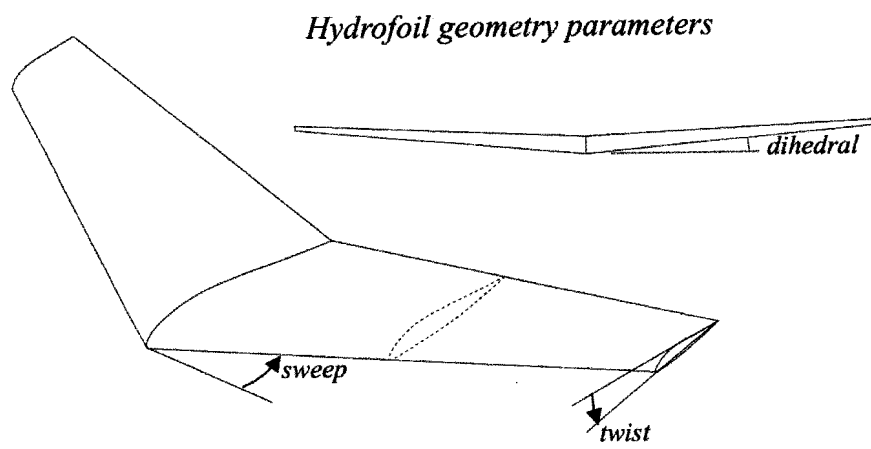


Fig. 10

POWERED HYDROFOIL BOARD

CROSS-REFERENCE TO RELATED APPLICATION

[0001] This application is a continuation of U.S. Ser. No. 14/509,289, filed October 8, 2014, which claims priority to U.S. Provisional Patent Application Serial No. 61/889,071, filed October 10, 2013, the contents of which are incorporated herein in their entireties.

FIELD OF THE INVENTION

[0002] The present invention relates to personal watercraft; specifically, an electrically powered hydrofoil surfboard that is controlled by weight shift.

BACKGROUND OF THE INVENTION

[0003] Hydrofoils have been used on surfboards (U.S. Patent No. 5,062,378 A, Bateman; U.S. Patent 3,747,138, Morgan; U.S. Patent 7,144,285 B1, Tareah), sailboards (U.S. Patent 4,508,046 Shannon), water skis (U.S. Patent 7,232,355, Woolley), and devices for swimmers (U.S. Patent 2,931,332, Hebrank) as well as ships and boats (e.g. U. S. Patent 3,227,123 A Voigt). The purpose of hydrofoils on surfboards is typically to enable higher speeds and to lift the surfboard above the choppy, turbulent surface of the water, thus enabling surfing on larger waves. On sailboards and kiteboards, hydrofoils enable higher speeds; and on water skis hydrofoils enable new forms of trick skiing.

[0004] Powered surfboards have been developed for reducing the effort required in paddling (U.S. Patent No. 7,731,555 B2 Railey) and as personal watercraft (U.S. Patent No. 6,702,634 B2 Jung, U.S. Patent No. 3,262,413 A Bloomingdale et al., U.S. Patent 6,192,817 B1 Dec, U. S. Patent 4,971,586 A Walsh, U. S. Patent 4,274,357 A Dawson). A particularly well-designed example of this type is the Jet-Surf (<http://www.jet-surf.es>). However, significant power is required to achieve speeds typical of surfing (up to ten horsepower to achieve thirty miles per hour), precluding the use of battery-powered motors for operationally useful periods.

[0005] A major factor that distinguishes surfboards from other watercraft is that control (both speed and directional) is affected via weight shift rather than by moveable surfaces (such as rudders) or thrust vectoring. Indeed, other methods of transport (skateboards and snowboards) also rely heavily on weight shift, and this method of control is central to the experience of surfing, snowboarding, and skateboarding.

[0006] An electrically powered hydrofoil device is described in Chen (U.S. Patent 7,047,901 B2). The watercraft in that disclosure has two main disadvantages. First, the device in Chen requires a stabilizing component that controls the depth of the hydrofoil. Second, a steering mechanism is used for directional control. Therefore it does not (and cannot) accurately mimic the experience of surfing or snowboarding.

[0007] A need therefore exists for a personal watercraft that provides improved control and performance while providing a “surfing feel.” In addition, this personal watercraft should be mechanically simple, easy to transport, and easy to maintain.

SUMMARY OF THE INVENTION

[0008] Embodiments of the present invention improve upon the powered surfboard by incorporating a hydrofoil. The hydrofoil greatly reduces the power required to travel at “fun” speeds (ranging from twenty to thirty miles per hour, but can be higher or lower depending on the user), so that a battery-powered electric motor (rather than an internal combustion engine) can be used to power the propulsion system. This results in reduced noise and vibration as well as reduced environmental impact.

[0009] Embodiments of the present invention also improve upon the powered hydrofoil surfboard. The hydrofoil of the present invention has been designed to provide passive stability in the longitudinal direction, making traditional altitude control systems based on moveable surfaces unnecessary. Further, both longitudinal and directional control of the board is via weight shift, so that riding the board is similar in feel to surfing or snowboarding, and the lack of a mechanical steering system makes the craft lighter, reduces parts count, and reduces the likelihood of a mechanical failure. Speed control is provided through a combination of throttle and weight shift.

[00010] The prior art in powered hydrofoil surfboards have all relied on moveable surfaces for control, and have ignored the possibility of designing the hydrofoil for passive static stability. The watercraft of the present invention is specifically designed to achieve desired levels of stability and controllability without the need for moveable surfaces. This is done through a combination of airfoil design, planform design, and tailoring the span-wise twist distribution to achieve desired outcomes.

[00011] Specific hydrofoils can be designed for different purposes: a larger foil results in lower speeds, more suitable for training; smaller foils operate at higher speeds for more advanced user; and tuning of the specific profile, twist, and dihedral can also be used to tailor the board to the user. A fixed canard or horizontal tail surface can also be added to further improve passive longitudinal stability as a

training aid while still requiring the use of weight shift for control. A fixed vertical tail can be added to improve lateral stability as a training aid while still requiring the use of weight shift for control.

BRIEF DESCRIPTION OF THE DRAWINGS

- [00012] FIG. 1 is a perspective view of a personal hydrofoil watercraft in accordance with the present invention;
- [00013] FIG. 2 is an exploded perspective view showing one embodiment of the hydrofoil and propulsion system assembly;
- [00014] FIG. 3 is a perspective view from underneath a personal hydrofoil watercraft in accordance with the present invention;
- [00015] FIG. 4 is an exploded perspective view showing an alternate embodiment of the hydrofoil and propulsion system assembly;
- [00016] FIG. 5 is a perspective view from underneath a personal hydrofoil watercraft with the hydrofoil and propulsion system of Fig. 4;
- [00017] FIG. 6 is a perspective view of an embodiment of the hydrofoil and propulsion system as an integrated body;
- [00018] FIG. 7 is a perspective view from underneath a personal hydrofoil watercraft with the hydrofoil and propulsion system of Fig. 6;
- [00019] FIG. 8 shows perspective views of alternate examples of hydrofoil planform designs;
- [00020] FIG. 9 is a schematic illustrating hydrofoil flow definitions; and
- [00021] FIG. 10 is a schematic showing hydrofoil geometry parameters

DETAILED DESCRIPTION OF THE INVENTION

[00022] Referring to FIG. 1, a perspective view of a hydrofoil watercraft 100 in accordance with an embodiment of the present invention is shown. Watercraft 100 may include a flotation board 101, a hydrofoil 102 spaced below the flotation board, a strut 103 connecting the hydrofoil to the board, a propulsion system 104, an electric motor 105, a battery 106, a motor speed controller 107, a throttle system 108, a throttle interface 109, and a spring-loaded trigger 110.

[00023] The flotation board 101 of FIG. 1 is similar to those used in surfing or sailboarding. In the illustrated embodiment, the flotation board has a fore-aft length L that is greater than its lateral width W . Generally, the ratio of lateral width W to length L may be between 0.2 and 0.5. The length L will

generally be in the range of 5 to 8 feet and the width W will generally be in the range of 1.5 to feet. The primary function of the flotation board is to provide flotation at low speeds, and it is preferentially configured with a flat upper surface to allow an adult human to lie prone, sit, kneel or stand on it and an opposed bottom surface facing the water. The lower surface may be almost flat to permit good hydroplaning.

[00024] The flotation board 101 can be made of foam, fiber-reinforced epoxy (using glass, carbon, or Kevlar fibers), or other suitable materials known to those of skill in the art. It may have a watertight compartment defined therein to contain the battery 106, motor speed controller 107 and throttle interface 109. The flotation board 101 provides an attachment structure for attaching the strut 103. The attachment structure may be a releasable mechanism to permit easy assembly and dis-assembly for transport. The flotation board 101 may be said to have a forward section F at the front end, a rear section R at the rear end and a middle section M intermediate the front and rear ends. Element M may also represent a midpoint that is halfway between the front and rear ends. As shown, the strut 103 is connected to the flotation board between the middle section M and the rear section R . The connection is behind the midpoint M and centered side to side. A throttle cable may connect the throttle module 108 to the throttle interface 109 or wireless communication may be provided between the throttle module 108 and throttle interface 109. In an alternate arrangement, the batteries 106 may be contained in the strut 103 or embedded in the hydrofoil 102. Each configuration has advantages and disadvantages ranging from ease of access for charging (in the case of a compartment in the flotation board) to reduction in the length of wires needed to connect the battery to the motor (in the case of containment in the strut or hydrofoil).

[00025] The strut 103 can be made of extruded aluminum, fiber-reinforced epoxy (using glass, carbon, or Kevlar fibers), or other suitable materials known to those of skill in the art. As shown, the strut is streamlined in cross-section to minimize drag. The strut may be constructed so as to allow passage of electrical wires from the motor speed controller 107 to the electric motor 105, such as inside or attached to the strut. The primary function of the strut is to rigidly connect the hydrofoil 102 at a fixed distance H from the board 101. The distance H will generally be in the range of 1 to 4 feet. In an alternative embodiment, more than one strut may be used or the strut may be shaped differently than shown.

[00026] The hydrofoil 102 of FIG. 1 is specifically designed to be statically stable in the longitudinal degrees of freedom via a combination of airfoil design, planform design and span-wise twist distribution. The hydrofoil 102 has a wingspan S (see Fig. 2). The wingspan will generally be in the range of 1 to 4 feet. It is also designed to be stable in sideslip ("weathercock stability") either via planform design or via the addition of small vertical foils (winglets or fins). In some cases it may be

advantageous to add a fixed canard or horizontal tail to further enhance static longitudinal stability (for example, for training purposes). The fixed distance H (see Fig. 2) of the strut 103 may be greater than the wingspan S of the hydrofoil 102 so that the hydrofoil remains fully submerged even when the user is leaning to turn.

[00027] The propulsion system 104 (discussed in more detail below) may comprise a ducted propeller or pump-jet, or may be of another type. The propulsion system is driven by the electric motor 105.

[00028] The electric motor 105 is connected to the motor speed controller 107 using wires sized to carry the required voltage and current. The motor speed controller 107 may include other functionality such as a low-voltage alarm or other protective circuitry for the battery 106; alternately, such circuitry may be included in the throttle interface 109. The main function of the throttle interface is to connect the motor speed controller 107 to the throttle module 108.

[00029] The throttle module 108 may be a hand-held device with a spring-loaded trigger 110 (so the throttle disengages automatically when it is released). Pulling or depressing the trigger causes the motor to turn a propeller or impeller in the propulsion system 104, with motor speed being proportional to the degree the trigger is pulled or depressed. The throttle module communicates the degree of trigger pull/depression to the throttle interface 109 via a cable or wirelessly. The throttle module may take other forms, such as being operated by other body parts.

[00030] The throttle interface 109 may in addition include circuitry and connections to permit charging of the battery 106. This would include battery protection circuits. The throttle interface may also include a means to display battery information to the user (for example, via LEDs to indicate charge state). Alternately, such information may be displayed on the throttle module 108.

[00031] To operate the watercraft 100, a user initially lies prone on the flotation board 101. The throttle is engaged, causing the craft to accelerate. As the craft gains speed the user may move to a kneeling or standing position. As the craft further gains speed the hydrofoil generates sufficient lift to raise the board above the water. The user controls altitude of the board by leaning back (to go up) and forward (to go down). The user can steer left or right by leaning in the appropriate direction. Releasing the throttle causes the motor to stop, reducing speed. The watercraft 100 may have other safety devices and features which causes the electric motor 105 to stop when the rider falls off the flotation board 101. These devices may monitor the presence of a user on the flotation board 101.

[00032] FIG. 2 shows an exploded perspective view of one embodiment of the hydrofoil 102, strut 103, propulsion system 104, and electric motor 105. The electric motor 105 and propulsion

system 104 are integrated into a waterproof, streamlined pod 201 that is designed to be embedded in the hydrofoil 102. The pod 201 also defines the lower end of the strut 103. The streamlined pod performs two main structural functions: it transmits propulsion forces to the strut 103 and it transmits lift forces from the hydrofoil 102 to the strut 103. It may also contain provisions for cooling the electric motor 105. The pod 201 is connected to the hydrofoil 102 either by a fitting (so that the hydrofoil can be easily removed) or it is integrally manufactured with the hydrofoil 102.

[00033] In its preferential form the electric motor 105 is a high efficiency brushless motor. A gearbox may be provided to ensure that the propeller or impeller of the propulsion system 104 operates over an appropriate range of speeds.

[00034] The strut 103 contains at its upper end a fitting 202 to attach the strut to the flotation board 101 of FIG 1. This fitting fits into a complementary slot in flotation board 101 and may use one of several methods to attach the strut 103 to the flotation board 101: examples include bolts, pins, or latches. Any other attachment approach may be used, or the strut and/or foil and/or flotation board may be integrally formed or permanently interconnected.

[00035] FIG. 3 shows a perspective view of the watercraft 100 from below. In its preferred form the propulsion system 104 comprises a propeller 104a and a duct 104b. The duct has two purposes: it acts as a propeller guard and it is designed to increase propeller thrust. In an alternate form the propulsion system may comprise a pump-jet.

[00036] FIG. 4 shows an exploded perspective view of an alternative embodiment of the hydrofoil 102, strut 103, electric motor 105 and propulsion system 401. In this embodiment the propulsion system comprises a long duct and may contain a stator assembly. The duct functions both as a guard for the propeller (shown in FIG 3) and to improve hydrodynamic efficiency. A stator (not shown) aft of the propeller can also be included to improve propulsive efficiency. In this embodiment the electric motor 105 is enclosed in a streamlined pod embedded in the propulsion system. In the embodiment of FIG. 4, the propulsion system is mounted below the hydrofoil 102. FIG. 5 shows a perspective view of the watercraft 100 from below with the propulsion system 401 mounted below the hydrofoil 102.

[00037] FIG. 6 shows a perspective view of an alternative embodiment of the hydrofoil 102, strut 103, and propulsion system 601. In this embodiment the propulsion system is integrated in the hydrofoil so that the inlet is at or near the forward (leading) edge of the hydrofoil and the outlet is at or near the rear (trailing) edge of the hydrofoil. As in the embodiments of FIG. 2, FIG. 3, FIG. 4 and FIG. 5, the propulsion system comprises a duct, a propeller, electric motor, and may include a stator.

[00038] FIG. 7 shows a perspective view of the watercraft 100 from below with the propulsion system of FIG. 6 integrated in the hydrofoil.

[00039] FIG. 8 shows perspective views of alternative embodiments of the hydrofoil planform. Hydrofoil 801 includes a fixed canard that increases stability (suitable for training). Note that this canard is fixed, not movable: control still occurs through weight shift. Hydrofoil 102 is shown in earlier drawings, and can be considered a baseline “all around” hydrofoil (suitable for a wide range of abilities). Foils 802 and 803 are progressively higher performance, permitting higher speeds and/or greater maneuverability. Foil 803 includes winglets, which increase directional stability and decrease drag. Foil 804 includes a horizontal tail, which improves longitudinal stability (similar to 801, it is suitable for training). Foil 805 includes both a horizontal tail and a vertical tail, improving longitudinal stability and directional stability (suitable for training). These tails may be considered a secondary hydrofoil. Note that other versions of the hydrofoil are possible: the key is designing the hydrofoil for passive static stability via planform design, airfoil design, and span-wise twist distribution.

[00040] Preferred embodiments of the present invention provide a hydrofoil watercraft with a fixed hydrofoil connected to a flotation board by one or more struts, with the fixed hydrofoil having no movable or adjustable surfaces. No movable hydrofoil is provided, but secondary hydrofoils on one or more struts (as shown in 801, 804, and 805) may be included. Additionally, no movable steering system is provided, as the watercraft is maneuvered by weight shifts.

[00041] This invention exploits passive stability to obviate the necessity for mechanisms or active control systems to provide stability. This passive stability allows the watercraft to be controlled by weight shift rather than by mechanical systems. Fig. 9 and Fig. 10 show the hydrofoil flow definitions and hydrofoil geometry parameters respectively. For the hydrofoil, longitudinally trimmed motion occurs when the total pitching moment is zero. This trim condition is stable if a disturbance results in a restoring moment that returns the hydrofoil to its original condition. The pitching moment coefficient can be written as $C_m = C_{m0} + C_{m_\alpha} \alpha + C_{m_Q} Q$ where C_{m0} is the pitching moment coefficient at zero angle of attack and zero pitch rate, C_{m_α} is the derivative of pitching moment coefficient with respect to angle of attack (called pitch stiffness), α is the angle of attack (the angle between the flow direction and the chord of the hydrofoil), C_{m_Q} is the derivative of pitching moment coefficient with respect to pitch rate (called pitch damping), and Q is the pitch rate. To ensure a trimmable, stable hydrofoil, the following conditions must be true: $C_{m0} > 0$, $C_{m_\alpha} < 0$, $C_{m_Q} < 0$. This is achieved with a combination of airfoil selection,

hydrofoil sweep and span-wise twist. The exact ratios of wing sweep and twist are dependent on the degree of stability desired and are also affected by the pitching moment characteristics of the airfoil. The derivative C_{m_Q} determines the “quickness” of the longitudinal response. Typically it will lie between -2 and -20, with more negative values leading to a “sluggish” feel. In the steady state (when $Q=0$) the angle of attack (and thus speed) at which trim occurs is a function of C_{m_0} and C_{m_α} .

$$\alpha_{trim} = -\frac{C_{m_0}}{C_{m_\alpha}}$$

C_{m_0} is defined entirely by hydrofoil design parameters; C_{m_α} is defined by a combination of hydrofoil design parameters and the location of the center of gravity: this is the means by which weight shift enables longitudinal control of the hydrofoil watercraft.

[00042] Similarly for lateral motion, trim occurs when the yawing moment and rolling moment are zero. It is further desirable that this occurs at zero sideslip angle, so the hydrofoil “tracks straight” through the water. When the yaw rate is zero, rolling moment coefficient and yawing moment coefficient can be written as

$$\begin{aligned} C_l &= C_{l_0} + C_{l_\beta}\beta + C_{l_p}P \\ C_n &= C_{n_0} + C_{n_\beta}\beta + C_{n_p}P \end{aligned}$$

where C_{l_0} and C_{n_0} are the roll rate and yaw rate at zero sideslip, respectively, C_{l_β} and C_{n_β} are the derivatives of roll rate and yaw rate with respect to sideslip angle, respectively, C_{l_p} and C_{n_p} are the derivatives of roll rate and yaw rate with respect to roll rate, respectively. Note that C_{n_β} is sometimes called weathercock stiffness and C_{l_p} is sometimes called roll damping. Trimmable, stable motion at zero sideslip is achieved by ensuring that the following conditions are true:

$$C_{l_0} = 0$$

$$C_{n_0} = 0$$

$$C_{l_\beta} < 0$$

$$C_{n_\beta} > 0$$

$$C_{l_p} < 0$$

This is achieved through a combination of sweep and dihedral and can also be influenced with the addition of winglets or a fin. The practical upper limit of C_{n_β} and practical lower limits of C_{l_β} and C_{l_p} are determined by the practicality of hydrofoil design. For example, sweep angles greater than 60 degrees are unlikely to lead to useable designs and twist of greater than 15 degrees is unlikely to lead to useable designs. Given these geometric limits and the subjective judgment of "ride quality" on the part of a user, bounds on the roll and yaw derivatives exist but are not quantifiable to a useful degree of precision.

[00043] Directional control is achieved by the weight shift and the weathercock stability stiffness. Shifting weight to one side causes the watercraft to roll to that side; this causes sideslip in the direction of the weight shift, and the C_{n_β} term causes the vehicle to turn in the direction of the lean. It should be noted that there is a trade-off between stability and maneuverability. More experienced users generally want a watercraft that is somewhat less stable to provide greater maneuverability. In contrast, less experienced users may want a watercraft that has more stability, and this may be done through appropriate design of the hydrofoil to give the desired stability and maneuverability characteristics.

[00044] As will be clear to those of skill in the art, the herein described embodiments of the present invention may be altered in various ways without departing from the scope or teaching of the present invention. It is the following claims, including all equivalents, which define the scope of the invention.

[00045] I claim:

CLAIMS

1. A passively stable, weight-shift controlled personal hydrofoil watercraft, comprising:

a flotation device that has a fore-aft length greater than a lateral width, the floating device having a top surface and a bottom surface, wherein a user can be disposed on the top surface of the floating device in a prone, kneeling, or standing position, the floatation device having a forward section, a middle section, and a rear section;

a strut having an upper end and a lower end, the upper end fixedly interconnected with the flotation device between the middle section and the rear section of the floating device;

a hydrofoil fixedly interconnected with the lower end of the strut, the hydrofoil having no movable surface;

a propulsion system for propelling the watercraft in a body of water, wherein the propulsion system is connected to the hydrofoil; and

the watercraft having no movable steering system.

2. A watercraft in accordance with claim 1, wherein the propulsion system comprises a battery, an electric motor, a motor speed controller, and a propulsor, the propulsor selected from a propeller, a ducted propeller, or a pump-jet.

3. A watercraft in accordance with claim 2, wherein the propulsor is disposed below the hydrofoil.

4. A watercraft in accordance with claim 1, wherein the propulsion system is integrated in the hydrofoil and has an inlet near a leading end of the hydrofoil and an outlet near a trailing edge of the hydrofoil.

5. A watercraft in accordance with claim 1, further comprising a fixed vertical tail connected to the hydrofoil.

6. A watercraft in accordance with claim 1, further comprising a fixed horizontal tail connected to the hydrofoil.

7. A watercraft in accordance with claim 1, further comprising a canard that extends forwardly of the hydrofoil, wherein the canard is fixedly connected with the hydrofoil.

8. A watercraft in accordance with claim 1, further comprising a tail that extends rear of the hydrofoil, wherein the tail is fixedly connected with the hydrofoil.

9. A watercraft in accordance with claim 1, wherein the hydrofoil is a generally flat wing having a curved front edge.

10. A watercraft in accordance with claim 1, wherein the hydrofoil includes winglets.

11. A watercraft in accordance with claim 1, further comprising a secondary hydrofoil that extends forwardly of the hydrofoil, wherein the secondary hydrofoil is fixedly connected with the hydrofoil.

12. A watercraft in accordance with claim 1, further comprising a secondary hydrofoil that extends rear of the hydrofoil, wherein the secondary hydrofoil is fixedly connected with the hydrofoil.

ABSTRACT

A passively stable personal hydrofoil watercraft that has a flotation device, wherein a user can ride in a prone, kneeling, or standing position. The watercraft includes a strut having an upper end interconnected with the flotation device and lower end connected with a hydrofoil. The hydrofoil greatly reduces the power required to travel at higher speed. The watercraft also includes a propulsion system connected to the hydrofoil. Both longitudinal and directional control of the watercraft is via weight shift, eliminating the need of any movable surfaces. The flotation device, strut, and hydrofoil may be permanently interconnected or may be detachable.

UTILITY PATENT APPLICATION TRANSMITTAL		Attorney Docket No. MHLCUS 3.0F-002	
		First Named Inventor Jacob Langelaan	
		Title	Powered Hydrofoil Board
(Only for new nonprovisional applications under 37 CFR 1.53(b))		Express Mail Label No.	

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
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<ol style="list-style-type: none"> 1. ☒ Fee Transmittal Form (PTO/SB/17 or equivalent) 2. ☒ Applicant asserts small entity status. See 37 CFR 1.27 3. ☐ Applicant certifies micro entity status. See 37 CFR 1.29. Applicant must attach form PTO/SB/15A or B or equivalent. 4. ☒ Specification [Total Pages <u>12</u>] Both the claims and abstract must start on a new page. (See MPEP § 608.01(a) for information on the preferred arrangement) 5. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets <u>4</u>] 6. Inventor's Oath or Declaration [Total Pages _____] (including substitute statements under 37 CFR 1.64 and assignments serving as an oath or declaration under 37 CFR 1.63(e)) <ol style="list-style-type: none"> a. ☐ Newly executed (original or copy) b. ☐ A copy from a prior application (37 CFR 1.63(d)) 7. ☒ Application Data Sheet * See note below. See 37 CFR 1.76 (PTO/AIA/14 or equivalent) 8. CD-ROM or CD-R in duplicate, large table, or Computer Program (Appendix) ☐ Landscape Table on CD 9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, items a. - c. are required) <ol style="list-style-type: none"> a. ☐ Computer Readable Form (CRF) b. ☐ Specification Sequence Listing on: <ol style="list-style-type: none"> i. ☐ CD-ROM or CD-R (2 copies); or ii. ☐ Paper c. ☐ Statements verifying identity of above copies 	ACCOMPANYING APPLICATION PAPERS <ol style="list-style-type: none"> 10. ☐ Assignment Papers (cover sheet & document(s)) Name of Assignee <div style="border: 1px solid black; height: 20px; width: 100%;"></div> 11. ☐ 37 CFR 3.73(c) Statement ☐ Power of Attorney (when there is an assignee) 12. ☐ English Translation Document (if applicable) 13. ☐ Information Disclosure Statement (PTO/SB/08 or PTO-1449) ☐ Copies of citations attached 14. ☐ Preliminary Amendment 15. ☐ Return Receipt Postcard (MPEP § 503) (Should be specifically itemized) 16. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed) 17. ☐ Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent. 18. ☐ Other: <div style="border: 1px solid black; height: 40px; width: 100%;"></div>
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***Note:** (1) Benefit claims under 37 CFR 1.78 and foreign priority claims under 1.55 must be included in an Application Data Sheet (ADS).
 (2) For applications filed under 35 U.S.C. 111, the application must contain an ADS specifying the applicant if the applicant is an assignee, person to whom the inventor is under an obligation to assign, or person who otherwise shows sufficient proprietary interest in the matter. See 37 CFR 1.46(b).

19. CORRESPONDENCE ADDRESS			
☒ The address associated with Customer Number: <u>00530</u>		OR ☐ Correspondence address below	
Name			
Address			
City	State	Zip Code	
Country	Telephone	Email	

Signature	/Brent L. Farese/	Date	March 8, 2016
Name (Print/Type)	Brent L. Farese	Registration No. (Attorney/Agent)	63,617

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via the Office electronic filing system in accordance with 37 CFR § 1.6(a)(4).

Dated: March 8, 2016

Electronic Signature for Brent L. Farese: /Brent L. Farese/

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

FEE TRANSMITTAL		Complete if known	
☒ Applicant asserts small entity status. See 37 CFR 1.27. ☐ Applicant certifies micro entity status. See 37 CFR 1.29. Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.		Application Number	Not Yet Assigned
		Filing Date	Concurrently Herewith
		First Named Inventor	Jacob Langelaan
		Examiner Name	Not Yet Assigned
		Art Unit	N/A
TOTAL AMOUNT OF PAYMENT (\$)		730.00	Practitioner Docket No. MHLCUS 3.0F-002

METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____
☐ Deposit Account Deposit Account Number: 12-1095 Deposit Account Name: Lerner, David, Littenberg, Krumholz & Mentlik, LLP

For the above-identified deposit account, the Director is hereby authorized to (check all that apply):

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, **except for the filing fee**
☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayment of fee(s)

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES (U = undiscounted fee; S = small entity fee; M = micro entity fee)

Application Type	FILING FEES			SEARCH FEES			EXAMINATION FEES			Fees Paid (\$)
	U (\$)	S (\$)	M (\$)	U (\$)	S (\$)	M (\$)	U (\$)	S (\$)	M (\$)	
Utility	280	140*	70	600	300	150	720	360	180	730.00
Design	180	90	45	120	60	30	460	230	115	
Plant	180	90	45	380	190	95	580	290	145	
Reissue	280	140	70	600	300	150	2,160	1,080	540	
Provisional	260	130	65	0	0	0	0	0	0	

* The \$140 small entity status filing fee for a utility application is further reduced to \$70 for a small entity status applicant who files the application via EFS-Web.

2. EXCESS CLAIM FEES

Fee Description	Undiscounted Fee (\$)	Small Entity Fee (\$)	Micro Entity Fee (\$)
Each claim over 20 (including Reissues)	80	40	20
Each independent claim over 3 (including Reissues)	420	210	105
Multiple dependent claims	780	390	195

Total Claims Extra Claims Fee (\$) Fee Paid (\$) Multiple Dependent Claims
12 - 20 or HP = _____ x _____ = _____ Fee (\$) Fee Paid (\$)
 HP = highest number of total claims paid for, if greater than 20.

Indep. Claims Extra Claims Fee (\$) Fee Paid (\$)
1 - 3 or HP = _____ x _____ = _____
 HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$400 (\$200 for small entity) (\$100 for micro entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
<u>12</u>	- 100 = _____	/50 = _____ (round up to a whole number)	x _____ = _____	

4. OTHER FEE(S)

Non-English specification, \$130 fee (no small or micro entity discount) _____ Fees Paid (\$)

Non-electronic filing fee under 37 CFR 1.16(t) for a utility application, \$400 fee (\$200 small or micro entity) _____

Other (e.g., late filing surcharge): _____

SUBMITTED BY			
Signature	/Brent L. Farese/	Registration No. (Attorney/Agent)	63,617
Name (Print/Type)	Brent L. Farese	Telephone	(908) 518-6328
		Date	March 8, 2016

Document code: WFEE

United States Patent and Trademark Office
Sales Receipt for Accounting Date: 03/22/2016

ASAHLE	SALE	#00000040	Mailroom Dt:	03/08/2016	121095	15064521
		01	FC : 4011	70.00	DA	
		02	FC : 2111	300.00	DA	
		03	FC : 2311	360.00	DA	
		04	FC : 2051	70.00	DA	

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 15/064,521		Filing Date 03/08/2016		☐ To be Mailed	
ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO									
APPLICATION AS FILED – PART I									
(Column 1)			(Column 2)						
FOR		NUMBER FILED	NUMBER EXTRA			RATE (\$)		FEE (\$)	
☒ BASIC FEE (37 CFR 1.16(a), (b), or (c))		N/A	N/A			N/A		70	
☒ SEARCH FEE (37 CFR 1.16(k), (i), or (m))		N/A	N/A			N/A		300	
☒ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		N/A	N/A			N/A		360	
TOTAL CLAIMS (37 CFR 1.16(i))		12 minus 20 =	* 0			x \$40 =		0	
INDEPENDENT CLAIMS (37 CFR 1.16(h))		1 minus 3 =	* 0			x \$210 =		0	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))		If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))									
* If the difference in column 1 is less than zero, enter "0" in column 2.						TOTAL		730	
APPLICATION AS AMENDED – PART II									
(Column 1)			(Column 2)		(Column 3)				
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	*	Minus	**	=	X \$ =			
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X \$ =			
	☐ Application Size Fee (37 CFR 1.16(s))								
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
						TOTAL ADD'L FEE			
(Column 1)			(Column 2)		(Column 3)				
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	*	Minus	**	=	X \$ =			
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X \$ =			
	☐ Application Size Fee (37 CFR 1.16(s))								
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
						TOTAL ADD'L FEE			
<p>* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.</p> <p>** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".</p> <p>*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".</p> <p>The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.</p>									

LDRC
/EVA GILLIS/

This collection of information is required by 37 CFR 1.16. 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 1.14. This collection is estimated to take 12 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 APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 15/064,521				
APPLICATION AS FILED - PART I										
(Column 1)		(Column 2)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY				
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)			
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	70		N/A				
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	300		N/A				
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	360		N/A				
TOTAL CLAIMS (37 CFR 1.16(j))	12	minus 20 = *	x 40 =	0.00	OR					
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1	minus 3 = *	x 210 =	0.00						
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00						
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00						
			TOTAL	730		TOTAL				
* If the difference in column 1 is less than zero, enter "0" in column 2.										
APPLICATION AS AMENDED - PART II										
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY		
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	OR	x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	OR	x	=
	Application Size Fee (37 CFR 1.16(s))							OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY		
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	OR	x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	OR	x	=
	Application Size Fee (37 CFR 1.16(s))							OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.										



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United States Patent and Trademark Office
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www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/064,521	03/08/2016	Jacob Willem Langelaan	MHLCUS 3.0F-002

CONFIRMATION NO. 7155

530
LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK
600 SOUTH AVENUE WEST
WESTFIELD, NJ 07090

INFORMAL NOTICE



Date Mailed: 03/24/2016

INFORMATIONAL NOTICE TO APPLICANT

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
Jacob Willem Langelaan

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/wtsige/



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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
15/064,521	03/08/2016	3617	800	MHLCUS 3.0F-002	12	1

CONFIRMATION NO. 7155

FILING RECEIPT



0000000081632519

530
LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK
600 SOUTH AVENUE WEST
WESTFIELD, NJ 07090

Date Mailed: 03/24/2016

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Jacob Willem Langelaan, State College, PA;

Applicant(s)

Jacob Willem Langelaan, State College, PA;

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CON of 14/509,289 10/08/2014
which claims benefit of 61/889,071 10/10/2013

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 03/22/2016

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/064,521**

Projected Publication Date: 06/30/2016

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

Powered Hydrofoil Board

Preliminary Class

114

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/064,521	03/08/2016	Jacob Willem Langelaan	MHLCUS 3.0F-002	7155

530 7590 05/23/2016
LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK
600 SOUTH AVENUE WEST
WESTFIELD, NJ 07090

EXAMINER

HAYES, JOVON E

ART UNIT	PAPER NUMBER
----------	--------------

3617

NOTIFICATION DATE	DELIVERY MODE
-------------------	---------------

05/23/2016

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

eOfficeAction@ldlkm.com

Office Action Summary	Application No. 15/064,521	Applicant(s) LANGELAAN, JACOB WILLEM	
	Examiner JOVON HAYES	Art Unit 3617	AIA (First Inventor to File) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on _____.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-12 is/are pending in the application.
5a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) _____ is/are allowed.
- 7) ☒ Claim(s) 1-12 is/are rejected.
- 8) ☐ Claim(s) _____ is/are objected to.
- 9) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☒ The drawing(s) filed on 3/8/16 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some** c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date _____.
- 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 4) ☐ Other: _____.

DETAILED ACTION

1. This is a first action on the merits of application 15/064,521.
2. Claims 1-12 are pending.
3. Applicant did not provide an Information Disclosure Statement.

Double Patenting

4. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the “right to exclude” granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the claims at issue are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the reference application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of

Art Unit: 3617

activities undertaken within the scope of a joint research agreement. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO internet Web site contains terminal disclaimer forms which may be used. Please visit <http://www.uspto.gov/forms/>. The filing date of the application will determine what form should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to <http://www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp>.

5. Claims 1-12 are provisionally rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-4 and 13-30 of copending Application No. 14/509,289. Although the claims at issue are not identical, they are not patentably distinct from each other because they are fully encompassed in scope by the above claims.

This is a provisional nonstatutory double patenting rejection because the patentably indistinct claims have not in fact been patented.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOVON HAYES whose telephone number is (571)272-3115. The examiner can normally be reached on Monday - Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Samuel (Joe) Morano can be reached on 5712726684. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/JOVON HAYES/
Examiner, Art Unit 3617

/Lars A. Olson/

Primary Examiner, Art Unit 3617

Notice of References Cited	Application/Control No. 15/064,521		Applicant(s)/Patent Under Reexamination LANGELAAN, JACOB WILLEM	
	Examiner JOVON HAYES		Art Unit 3617	Page 1 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-3,265,027 A	08-1966	BROWN ARTHUR E	B63H11/12	114/278
*	B	US-3,405,677 A	10-1968	SMITH ROBERT C	B63B35/7943	114/55.53
*	C	US-5,809,926 A	09-1998	Kelsey; Kevin	B63B1/286	114/274
*	D	US-6,019,059 A	02-2000	Kelsey; Kevin R	B63B1/28	114/274
*	E	US-6,178,905 B1	01-2001	Dynes; Richard	B63B35/731	114/55.54
*	F	US-6,409,560 B1	06-2002	Austin; Shawn M.	B63B35/7943	440/6
*	G	US-2002/0124783 A1	09-2002	Dynes, Richard	B63B1/285	114/55.54
*	H	US-2005/0109258 A1	05-2005	Smith, Timothy D.	B63B1/24	114/274
*	I	US-7,047,901 B2	05-2006	Chen; Shane	B63B1/246	114/274
*	J	US-7,232,355 B2	06-2007	Woolley; Robert C.	B63B1/248	114/253
*	K	US-2007/0245943 A1	10-2007	Rice; Mark Shipley	B60V1/08	114/272
*	L	US-7,731,555 B2	06-2010	Railey; Mike R.	B63B35/7943	440/6
*	M	US-2010/0167605 A1	07-2010	Schultz; Wilderich C.	B63H5/14	440/67

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Notice of References Cited	Application/Control No. 15/064,521		Applicant(s)/Patent Under Reexamination LANGELAAN, JACOB WILLEM	
	Examiner JOVON HAYES		Art Unit 3617	Page 2 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-7,832,349 B2	11-2010	Dansie; Stephen W.	B63B1/24	114/274
*	B	US-2010/0323568 A1	12-2010	CHAMBERS; Tucker C.	B63B35/793	441/79
*	C	US-7,854,637 B2	12-2010	Schultz; Wilderich C.	B63H5/14	440/67
*	D	US-2015/0104985 A1	04-2015	Langelaan; Jacob Willem	B63H21/17	440/6
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



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BIB DATA SHEET

CONFIRMATION NO. 7155

SERIAL NUMBER 15/064,521	FILING or 371(c) DATE 03/08/2016 RULE	CLASS 440	GROUP ART UNIT 3617	ATTORNEY DOCKET NO. MHLCUS 3.0F-002		
APPLICANTS INVENTORS Jacob Willem Langelaan, State College, PA; ** CONTINUING DATA ***** This application is a CON of 14/509,289 10/08/2014 which claims benefit of 61/889,071 10/10/2013 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED *** SMALL ENTITY ** 03/22/2016						
Foreign Priority claimed ☐ Yes ☒ No 35 USC 119(a-d) conditions met ☐ Yes ☒ No Verified and Acknowledged <u>/JOVON E HAYES/</u> Examiner's Signature		☐ Met after Allowance Initials	STATE OR COUNTRY PA	SHEETS DRAWINGS 4	TOTAL CLAIMS 12	INDEPENDENT CLAIMS 1
ADDRESS LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK 600 SOUTH AVENUE WEST WESTFIELD, NJ 07090 UNITED STATES						
TITLE Powered Hydrofoil Board						
FILING FEE RECEIVED 800	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:			☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit		

<i>Index of Claims</i> 	Application/Control No. 15064521	Applicant(s)/Patent Under Reexamination LANGELAAN, JACOB WILLEM
	Examiner JOVON HAYES	Art Unit 3617

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant		☐ CPA		☐ T.D.		☐ R.1.47			
CLAIM		DATE							
Final	Original	05/14/2016							
	1	✓							
	2	✓							
	3	✓							
	4	✓							
	5	✓							
	6	✓							
	7	✓							
	8	✓							
	9	✓							
	10	✓							
	11	✓							
	12	✓							

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"14509289"	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 14:47
S2	0	b63b5/15.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 14:48
S3	174	b63b1/248.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 14:48
S4	18	("2747138" "2931332" "3227123" "3262413" "4274357" "4508046" "4971586" "5062378" "6192817" "6702634" "7047901" "7144285" "7232355" "7731555").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 14:49
S5	26	(surfboard waterboard powerboard watercraft) and hydrofoil and strut and propulsion and (jet adj drive propulsor kort adj nozzle thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:03
S6	0	114/74 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and propulsion and (jet adj drive propulsor kort adj nozzle thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:07
S7	0	114/74 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and propulsion and (jet adj drive propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:07
S8	0	114/74 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and propulsion and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:08
S9	0	114/74 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:08
S10	0	114/79 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:09
S11	14	"114"/ and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:09
S12	4	441/74 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:09
S13	0	441/77 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:10
S14	2	441/79 and (surfboard waterboard powerboard watercraft) and hydrofoil	US-PGPUB; USPAT;	OR	ON	2015/08/08 15:10

		and strut and (propulsor thruster)	USOCR			
S15	1	440/6 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:11
S16	3	"440"/ and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:11
S17	14	"114"/ and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:12
S18	19	(surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:13
S19	6	114/274 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:15
S20	3	114/278 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:16
S21	0	board and hydrofoil and strut and proulson and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:17
S22	15	board and hydrofoil and strut and propulsion and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:17
S23	3	surfboard and hydrofoil and strut and propulsion and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:20
S24	15	watercraft and hydrofoil and strut and propulsion and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:20
S25	15	watercraft and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:20
S26	24	watercraft and (hydrofoil foil) and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:20
S27	10	surfboard and (hydrofoil foil) and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:21
S28	35	surfboard and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:22
S29	35	(surfboard waterboard powerboard sportsboard boogieboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:25
S30	29	"114"/ and (surfboard waterboard powerboard sportsboard boogieboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:27
S31	14	"441"/ and (surfboard waterboard powerboard sportsboard boogieboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:27
S32	26	("0857951" "2593806" "2931332" "3456613" "3465704" "3650234"	US-PGPUB; USPAT;	OR	OFF	2015/08/10 08:38

		"3722450" "4349340" "4711195" "4972792" "5083948" "5117776" "5136961" "5362264" "5413066" "5448963" "5471942" "6178905" "6409560" "6468118").PN. OR ("7047901").URPN.	USOCR			
S33	0	("2007/0245943").URPN.	USPAT	OR	OFF	2015/08/10 08:42
S34	5	"440"/ and (surfboard waterboard powerboard sportsboard boogieboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:44
S35	0	441/65 and (surfboard waterboard powerboard sportsboard boogieboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:46
S36	0	441/65 and (surfboard waterboard powerboard sportsboard paddleboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:46
S37	35	441/and (surfboard waterboard powerboard sportsboard paddleboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:46
S38	14	"441"/ and (surfboard waterboard powerboard sportsboard paddleboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:46
S39	3	"441"/74 and (surfboard waterboard powerboard sportsboard paddleboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:47
S40	7	"441"/79 and (surfboard waterboard powerboard sportsboard paddleboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:47
S41	3	"441"/74 and (surfboard waterboard powerboard sportsboard paddleboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:48
S42	18	"441"/74 and (surfboard waterboard powerboard sportsboard paddleboard) and (hydrofoil foil) and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:49
S43	26	("0857951" "2593806" "2931332" "3456613" "3465704" "3650234" "3722450" "4349340" "4711195" "4972792" "5083948" "5117776" "5136961" "5362264" "5413066" "5448963" "5471942" "6178905" "6409560" "6468118").PN. OR ("7047901").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/08/10 08:50
S44	27	("3405677" "3456613" "3536025" "4020782" "4274357" "5516126" "D260797").PN. OR ("6409560").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/08/10 08:57
S45	4	(surfboard paddleboard waterboard) and hydrofoil with tail	USPAT	OR	OFF	2015/08/10 10:10
S46	19	(surfboard paddleboard waterboard)	US-PGPUB;	OR	ON	2015/08/10

		and hydrofoil with tail	USPAT; USOCR			10:11
S47	1	("2015/0017850").URPN.	USPAT	OR	OFF	2015/08/10 10:12
S48	7	("20050266746" "20080305698" "20150017850" "2815518" "7832349" "7926437").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/08/10 10:13
S57	36	surfboard and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/04/16 22:29
S58	84	surfboard and (hydrofoil foil) and (strut fin) and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/04/16 22:32
S59	362362	441/ andsurfboard and (hydrofoil foil) and (strut fin) and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/04/16 22:32
S60	26	441/ and surfboard and (hydrofoil foil) and (strut fin) and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/04/16 22:32
S61	59	114/ and surfboard and (hydrofoil foil) and (strut fin) and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/04/16 22:34

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S49	759	114/274	USPAT	OR	OFF	2015/11/19 18:31
S50	825	114/274	US-PGPUB; USPAT	OR	OFF	2015/11/19 18:31
S51	33	surfboard and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT	OR	ON	2015/11/19 18:32
S52	163	b63b1/248.cpc.	US-PGPUB; USPAT	OR	ON	2015/11/19 18:32
S53	5	S50 and S51	US-PGPUB; USPAT	OR	ON	2015/11/19 18:33
S54	17	S52 and S51	US-PGPUB; USPAT	OR	ON	2015/11/19 18:33

S55	1445	441/74	US-PGPUB; USPAT	OR	ON	2015/11/19 18:48
S56	5	S52 and S55	US-PGPUB; USPAT	OR	ON	2015/11/19 18:48
S62	34	surfboard and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT	OR	ON	2016/04/16 22:17

5/ 14/ 2016 7:58:00 AM
C:\ Users\ jhayes\ Documents\ EAST\ Workspaces\ 15064521.wsp

Search Notes 	Application/Control No. 15064521	Applicant(s)/Patent Under Reexamination LANGELAAN, JACOB WILLEM
	Examiner JOVON HAYES	Art Unit 3617

CPC- SEARCHED		
Symbol	Date	Examiner
b63b1/248	5/14/2016	jh

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
114	74	5/14/2016	jh

SEARCH NOTES		
Search Notes	Date	Examiner
conducted class and text search.	5/14/2016	jh

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

/JOVON HAYES/ Examiner.Art Unit 3617	
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/064,521	03/08/2016	Jacob Willem Langelaan	MHLCUS 3.0F-002

CONFIRMATION NO. 7155

PUBLICATION NOTICE



OC00000084066582

530
LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK
600 SOUTH AVENUE WEST
WESTFIELD, NJ 07090

Title: Powered Hydrofoil Board

Publication No. US-2016-0185430-A1

Publication Date: 06/30/2016

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently <http://pair.uspto.gov/>. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number

Filing Date

- ☒ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above.

21186

OR

- ☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter to:

- ☒ The address associated with the above mentioned Customer Number.

OR

- ☐ The address associated with Customer Number:

OR

☐ Firm or
Individual Name
Address

City

State

Zip

Country

Telephone

Email

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

- ☒ Inventor or Joint Inventor (title not required below)
- ☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
- ☐ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
- ☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature

Date

(Optional)

Name

Jacob Willem Langelaan, Ph.D.

Title

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

- ☒ Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 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-8194 and select option 2.

Electronic Acknowledgement Receipt

EFS ID:	27003153
Application Number:	15064521
International Application Number:	
Confirmation Number:	7155
Title of Invention:	Powered Hydrofoil Board
First Named Inventor/Applicant Name:	Jacob Willem Langelaan
Customer Number:	530
Filer:	James R. Gould/Alexis Dagostino
Filer Authorized By:	James R. Gould
Attorney Docket Number:	MHLCUS 3.0F-002
Receipt Date:	22-SEP-2016
Filing Date:	08-MAR-2016
Time Stamp:	13:16:08
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		4664_001US2-RPOA.pdf	345738	yes	2
			69548e788ee89cd6627017a14433cddf1ed68893		

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Miscellaneous Incoming Letter	1	1
	Power of Attorney	2	2
Warnings:			
Information:			
Total Files Size (in bytes):		345738	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>			

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Jacob Willem Langelaan
Title: POWERED HYDROFOIL BOARD

Docket No.: 4664.001US2
Filed: March 8, 2016
Examiner: Jovon Hayes
Customer No.: 21186

Serial No.: 15/064,521
Due Date: N/A
Group Art Unit: 3617
Confirmation No.: 7155

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

We are transmitting herewith the following attached items (as indicated with an "X"):

X Power of Attorney to Prosecute Applications before the USPTO (PTO/AIA/82B) (1 pg.)

If not provided for in a separate paper filed herewith, please consider this a **PETITION FOR EXTENSION OF TIME** for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743. If applicable, any papers or fees supplied herewith are considered to be timely filed pursuant to 37 C.F.R. § 1.7(a), the response period falling on a Federal Holiday, Saturday or Sunday being extended to the next succeeding business day.

SCHWEGMAN LUNDBERG & WOESSNER, P.A.
Customer No.: 21186

By: Brent L. Farese
Brent L. Farese
Reg. No. 63,617

S/N 15/064,521

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Jacob Willem Langelaan

Examiner: Jovon Hayes

Serial No.: 15/064,521

Group Art Unit: 3617

Filed: March 8, 2016

Docket No.: 4664.001US2

Customer No.: 21186

Confirmation No.: 7155

Title: POWERED HYDROFOIL BOARD

AMENDMENT & RESPONSE UNDER 37 C.F.R. § 1.111

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In response to the Office Action dated May 23, 2016, please amend the application as follows:

This response is accompanied by a Petition, as well as the appropriate fee, to obtain a 1-month extension of the period for responding to the Office Action, thereby moving the deadline for response from August 23, 2016 to September 23, 2016.

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A passively stable, weight-shift controlled personal hydrofoil watercraft, comprising:

a flotation device that has a fore-aft length greater than a lateral width, the ~~floating~~ flotation device having a top surface and a bottom surface, wherein a user can be disposed on the top surface of the ~~floating~~ flotation device in a prone, kneeling, or standing position, the ~~floating~~ flotation device having a forward section, a middle section, and a rear section;

a strut having an upper end and a lower end, the upper end fixedly interconnected with the flotation device between the middle section and the rear section of the ~~floating~~ flotation device;

a hydrofoil fixedly interconnected with the lower end of the strut, the hydrofoil having no movable surface;

a propulsion system for propelling the watercraft in a body of water, wherein the propulsion system is connected to the hydrofoil; and

the watercraft having no movable steering system.

2. (Original) A watercraft in accordance with claim 1, wherein the propulsion system comprises a battery, an electric motor, a motor speed controller, and a propulsor, the propulsor selected from a propeller, a ducted propeller, or a pump-jet.

3. (Original) A watercraft in accordance with claim 2, wherein the propulsor is disposed below the hydrofoil.

4-12. (Canceled).

13. (New) A watercraft in accordance with claim 1, wherein the hydrofoil is indirectly connected to the strut.

14. (New) A watercraft in accordance with claim 13, wherein the strut is directly connected to the propulsion system.

15. (New) A watercraft in accordance with claim 14, wherein a first hydrofoil wing of the hydrofoil is indirectly connected to the strut through the propulsion system.

16. (New) A watercraft in accordance with claim 13, wherein the hydrofoil comprises a plurality of wings that are interconnected by way of a strut.

17. (New) A watercraft in accordance with claim 2, wherein the battery and motor speed controller are contained in a watertight compartment integrated into the flotation device.

18. (New) A watercraft in accordance with claim 2, wherein the electric motor is integrated into a waterproof, streamlined pod and the watercraft comprises a cooling system for cooling the electric motor.

19. (New) A watercraft in accordance with claim 18, wherein the waterproof, streamlined pod is removably interconnected with the hydrofoil through a fitting.

20. (New) A watercraft in accordance with claim 17, further comprising a wireless handheld controller having a transmitter, and a throttle interface having a receiver, wherein the transmitter is adapted to send wireless signals to the receiver that cause an output of the propulsion system to change.

21. (New) A watercraft in accordance with claim 1, wherein a first hydrofoil wing of the hydrofoil is directly connected to the strut.

22. (New) A watercraft in accordance with claim 17, wherein the strut has an internal passage and electrical wires extend from the electric motor to the watertight compartment inside the strut through the internal passage for controlling the electric motor.

23. (New) A watercraft in accordance with claim 22, wherein the flotation device has a detector adapted to detect a user's presence on the flotation device and cease operation of the electric motor if the detector detects that the user is not on the flotation device.

24. (New) A watercraft in accordance with claim 1, wherein the propulsion system is directly or indirectly connected to the hydrofoil.

25. (New) A personal hydrofoil watercraft, comprising:
a surfboard-shaped flotation device that has a fore-aft length greater than a lateral width, the flotation device having a top surface and a bottom surface, wherein the top surface has a substantially horizontal supporting surface configured to support a user in a prone, kneeling, or standing position, the flotation device having a forward section, a middle section, and a rear section;

a hydrofoil interconnected with the surfboard-shaped flotation device, the hydrofoil having a strut and a first hydrofoil wing, an upper end of the strut being fixedly interconnected with the surfboard-shaped flotation device;

a propulsion system attached to the surfboard-shaped flotation device for propelling the watercraft in a body of water, the propulsion system comprising a battery, an electric motor, a motor speed controller, and a propulsor, wherein the propulsor is selected from a propeller, a ducted propeller, or a pump-jet, and the battery and motor speed controller are contained in a watertight compartment integrated into the flotation device;

the watercraft having no movable steering system;

a handheld controller having a throttle; and

a throttle interface, wherein the throttle is adapted to send electronic signals to the throttle interface that cause an output of the propulsion system to change.

26. (New) A watercraft in accordance with claim 25, wherein the hydrofoil comprises a plurality of hydrofoil wings including the first hydrofoil wing and a second hydrofoil wing, the first and second hydrofoil wings being connected by way of a strut.

27. (New) A watercraft in accordance with claim 25, wherein the watercraft comprises a cooling system for cooling the electric motor.

28. (New) A watercraft in accordance with claim 25, wherein the strut has an internal passage and electrical wires extend from the electric motor to the watertight compartment inside the strut through the internal passage for controlling the electric motor.

29. (New) A watercraft in accordance with claim 25, wherein the handheld controller comprises a wireless transmitter operatively coupled to the throttle and the throttle interface includes a receiver, the transmitter being adapted to send wireless signals to the receiver in response to actuation of the throttle that cause an output of the propulsion system to change.

REMARKS

The present amendment is responsive to the Office Action dated May 23, 2016 (“the Action”). Claim 1 has been amended, claims 4-12 have been canceled, and new claims 13-29 have been added herein. Thus, claims 1-3 and 13-29 are pending in the present application. The amended and new claims are supported by the application, as filed. Thus, no new matter has been entered by way of this amendment. Applicant respectfully requests entry and consideration of its amendments and remarks.

In the Action, claims 1-12 were provisionally rejected on the grounds of non-statutory double patenting as being allegedly unpatentable over claims 1-4 and 13-30 of U.S. Ser. No. 14/509,289 (“’289 Application”). The above rejection in view of the ’289 Application was provisional since, at the time, the ’289 Application had not yet matured into a patent. The ’289 Application has since issued on June 7, 2016 as U.S. Patent No. 9,359,044 (“’044 Patent”). To overcome the above rejection, Applicant respectfully submits herewith a terminal disclaimer listing the ’044 Patent. Indeed, the ’044 Patent and the present application were commonly owned by the Applicant at the time of filing the present application. As such, Applicant respectfully requests that the Examiner withdraw the above rejections in view of the terminal disclaimer accordingly.

Since the double-patenting rejections were the only rejections set forth in the Action, Applicant respectfully submits that independent claim 1 and its dependent claims 13-24 are allowable. In addition, Applicant respectfully submits that newly-submitted independent claim 25 and its dependent claims 26-29 are allowable for the same reasons as claims 1 and 13-24. If the Examiner has any objections or rejections pertaining to the newly-submitted claims, or any other matter, Applicant respectfully requests an interview to discuss the same.

CONCLUSION

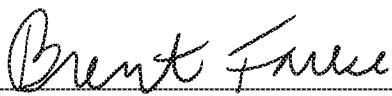
Applicant respectfully submits that the claims are in condition for allowance, and notification to that effect is earnestly requested. The Examiner is invited to telephone the undersigned at (201) 360-1097 to facilitate prosecution of this application.

If necessary, please charge any additional fees or deficiencies, or credit any overpayments to Deposit Account No. 19-0743.

Respectfully submitted,

SCHWEGMAN LUNDBERG & WOESSNER, P.A.
P.O. Box 2938
Minneapolis, MN 55402--0938
(201) 360-1097

Date: September 22, 2016

By: 
Brent L. Farese
Reg. No. 63,617

TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT

Docket Number

4664.001US2

In re Application of: Jacob Willem Langelaan**Application No.:** 15/064,521**Filed:** March 8, 2016**For:** POWERED HYDROFOIL BOARD

The applicant, **Jacob Willem Langelaan**, owner of the entire interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of **prior patent** No.(s) **9,359,044** as the term of said **prior patent(s)** is presently shortened by any terminal disclaimer. The applicant hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the **prior patent(s)** are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the applicant does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the **prior patent(s)**, "as the term of said **prior patent(s)** is presently shortened by any terminal disclaimer," in the event that said **prior patent(s)** later:

- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or
- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

Check either box 1 or 2 below, if appropriate.

1. ☐ The undersigned is the applicant. If the applicant is an assignee, the undersigned is authorized to act on behalf of the assignee.

I hereby acknowledge that any willful false statements made are punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

2. ☒ The undersigned is an attorney or agent of record. Reg. No. 63,617

Brent L. Farese

Brent L. Farese

September 22, 2016

Date

Title

Telephone Number

- ☒ Terminal disclaimer fee under 37 CFR 1.20(d) included.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Electronic Patent Application Fee Transmittal

Application Number:	15064521			
Filing Date:	08-Mar-2016			
Title of Invention:	Powered Hydrofoil Board			
First Named Inventor/Applicant Name:	Jacob Willem Langelaan			
Filer:	Joseph P. Mehrle/Kasie Grover			
Attorney Docket Number:	MHLCUS 3.0F-002			
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension - 1 month with \$0 paid	2251	1	100	100
Miscellaneous:				
STATUTORY OR TERMINAL DISCLAIMER	2814	1	160	160
Total in USD (\$)				260

Electronic Acknowledgement Receipt

EFS ID:	27007163
Application Number:	15064521
International Application Number:	
Confirmation Number:	7155
Title of Invention:	Powered Hydrofoil Board
First Named Inventor/Applicant Name:	Jacob Willem Langelaan
Customer Number:	530
Filer:	Joseph P. Mehrle/Kasie Grover
Filer Authorized By:	Joseph P. Mehrle
Attorney Docket Number:	MHLCUS 3.0F-002
Receipt Date:	22-SEP-2016
Filing Date:	08-MAR-2016
Time Stamp:	16:00:17
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$260
RAM confirmation Number	092316INTEFSW00002643190743
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		4664001US2Response.pdf	215028	yes	10
			88a807f42b33da8d7174ec5e9fab85ab69e8c329		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Transmittal Letter		1	1	
	Extension of Time		2	2	
	Amendment/Req. Reconsideration-After Non-Final Reject		3	3	
	Claims		4	7	
	Applicant Arguments/Remarks Made in an Amendment		8	9	
	Terminal Disclaimer Filed		10	10	
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	32799	no	2
			08bbf26f908816668143fa198f0fbc155bd59d1e		
Warnings:					
Information:					
Total Files Size (in bytes):			247827		

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Jacob Willem Langelaan
Title: POWERED HYDROFOIL BOARD

Docket No.: 4664.001US2
Filed: March 8, 2016
Examiner: Jovon Hayes
Customer No.: 21186

Serial No.: 15/064,521
Due Date: August 23, 2016
Group Art Unit: 3617
Confirmation No.: 7155

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

- ☒ Amendment and Response under 37 C.F.R. § 1.111 (7 pgs.)
- ☒ Petition for Extension of Time (1 pg.)
- ☒ Authorization to charge Deposit Account 19-0743 in the amount of \$100.00 to cover the Extension of Time Fee.
- ☒ Terminal Disclaimer (1 pgs.)
- ☒ Authorization to charge Deposit Account 19-0743 in the amount of \$160.00 to cover the fee for the Terminal Disclaimer

If not provided for in a separate paper filed herewith, please consider this a **PETITION FOR EXTENSION OF TIME** for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743. If applicable, any papers or fees supplied herewith are considered to be timely filed pursuant to 37 C.F.R. § 1.7(a), the response period falling on a Federal Holiday, Saturday or Sunday being extended to the next succeeding business day.

SCHWEGMAN LUNDBERG & WOESSNER, P.A.
Customer No.: 21186

By: Brent Farese
Brent L. Farese
Reg. No. 63,617

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Jacob Willem Langelaan

Examiner: Jovon Hayes

Serial No.: 15/064,521

Group Art Unit: 3617

Filed: March 8, 2016

Docket: 4664.001US2

Customer No.: 21186

Confirmation No.: 7155

Title: POWERED HYDROFOIL BOARD

PETITION FOR A ONE-MONTH EXTENSION OF TIME

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

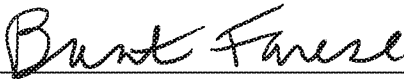
In accordance with the provision of 37 C.F.R. § 1.136(a), it is respectfully requested that a one-month extension of time be granted in which to respond to the Non-Final Office Action mailed May 23, 2016, said period of response being extended from August 23, 2016 to September 23, 2016.

Please charge Deposit Account No. 19-0743 in the amount of \$100.00 to cover the required extension fee. Please charge any additional fees or credit overpayment to deposit Account No. 19-0743.

Respectfully submitted,

SCHWEGMAN LUNDBERG & WOESSNER, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6900

Date September 22, 2016

By 
Brent L. Farese
Reg. No. 63,617

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.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 15/064,521	Filing Date 03/08/2016	☐ To be Mailed
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ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO**APPLICATION AS FILED – PART I**

(Column 1)

(Column 2)

FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X \$ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X \$ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	09/22/2016	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	X \$40 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0	X \$210 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
TOTAL ADD'L FEE						0	

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X \$ =
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X \$ =
	☐ Application Size Fee (37 CFR 1.16(s))					
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
TOTAL ADD'L FEE						

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
KIMBERLY WHITE

This collection of information is required by 37 CFR 1.16. 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 1.14. This collection is estimated to take 12 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.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/064,521	03/08/2016	Jacob Willem Langelaan	4664.001US2

21186
SCHWEGMAN LUNDBERG & WOESSNER, P.A.
P.O. BOX 2938
MINNEAPOLIS, MN 55402

CONFIRMATION NO. 7155
POA ACCEPTANCE LETTER



Date Mailed: 09/28/2016

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/22/2016.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/qtran/

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	<i>Complete if Known</i>	
	Application Number	15/064,521
	Filing Date	March 8, 2016
	First Named Inventor	Jacob Willem Langelaan
	Group Art Unit	3617
	Examiner Name	Jovon Hayes
Sheet 1 of 4		Attorney Docket No: 4664.001US2

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document
	US-0,293,133	2/5/1984	Applegate, W H
	US-0,322,712	7/21/1985	Harris
	US-0,326,241	9/15/1985	Preston
	US-0,374,713	12/13/1987	Smith, L S
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	US-20010007235A1	7/12/2001	Dynes, Richard, et al.
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	US-20020072285A1	6/13/2002	Jung, Kooock Elan
	US-20030167991A1	9/11/2003	Namanny, Stan
	US-20040139905A1	7/22/2004	Chen, Shane
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	US-20070046028A1	3/1/2007	Gizara, Andrew Roman
	US-20070089657A1	4/26/2007	Ruan, Chia-wen, et al.
	US-20070283865A1	12/13/2007	Railey, Mike R
	US-20080078316A1	4/3/2008	Gizara, Andrew Roman
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	US-20110201238A1	8/18/2011	Rott, Dainuri, et al.
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	US-20120000409A1	1/5/2012	Railey, Mike R
	US-20120073486A1	3/29/2012	Railey, Mike R
	US-20120225598A1	9/6/2012	Railey, Mike R, et al.

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	<i>Complete if Known</i>	
	Application Number	15/064,521
	Filing Date	March 8, 2016
	First Named Inventor	Jacob Willem Langelaan
	Group Art Unit	3617
	Examiner Name	Jovon Hayes
Sheet 2 of 4	Attorney Docket No: 4664.001US2	

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document
	US-20130059489A1	3/7/2013	Vlock, Michael, et al.
	US-20130104787A1	5/2/2013	Roman, Kendyl A
	US-20130239861A1	9/19/2013	Gizara, Andrew Roman
	US-20140007802A1	1/9/2014	Railey, Mike R
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	US-2,815,518	12/10/1957	Kuehn, Otto
	US-2,840,832	7/1/1958	Fried, Marvin R
	US-2,891,259	6/23/1959	Perry, Vernon L
	US-2,931,332	4/5/1960	Hebrank, William H
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	US-3,882,815	5/13/1975	Bennett, David
	US-3,964,417	6/22/1976	Williams, Marshall L

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	<i>Complete if Known</i>	
	Application Number	15/064,521
	Filing Date	March 8, 2016
	First Named Inventor	Jacob Willem Langelaan
	Group Art Unit	3617
	Examiner Name	Jovon Hayes
Sheet 3 of 4		Attorney Docket No: 4664.001US2

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document
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FOREIGN PATENT DOCUMENTS

Examiner Initial *	Foreign Document Number	Publication Date	Name of Patentee or Applicant of cited Document	T 1
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	CN-202264871U	6/6/2012	Zhenning, Guo, et al.	
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	DE-102013218735A1	3/19/2015	Schlicher, Markus	

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	<i>Complete if Known</i>	
	Application Number	15/064,521
	Filing Date	March 8, 2016
	First Named Inventor	Jacob Willem Langelaan
	Group Art Unit	3617
	Examiner Name	Jovon Hayes
Sheet 4 of 4		Attorney Docket No: 4664.001US2

FOREIGN PATENT DOCUMENTS

Examiner Initial *	Foreign Document Number	Publication Date	Name of Patentee or Applicant of cited Document	T 1
	DE-202012012844U1	2/11/2014		
	DE-3070662D1	6/20/1985	Dawson, Edward S	
	DE-4100890A1	7/16/1992	Meier, Andreas	
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	WO-2013191501A1	12/27/2013	Ku, Kwon Hoi	

OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS

Examiner Initial *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 1
	"Application Serial No. 14/509,289, Examiner Interview Summary mailed 11-18-15", 3 pgs	
	"Application Serial No. 14/509,289, Non Final Office Action mailed 08-17-15", 9 pgs	
	"Application Serial No. 14/509,289, Notice of Allowance mailed 04-26-16", 9 pgs	
	"Application Serial No. 14/509,289, Notice of Allowance mailed 12-04-15", 9 pgs	
	"Application Serial No. 14/509,289, Preliminary Amendment filed 04-12-16", 6 pgs	
	"Application Serial No. 14/509,289, Response filed 11-18-15 to Non Final Office Action mailed 08-17-15", 8 pgs	

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant is to place a check mark here if English language Translation is attached

Electronic Patent Application Fee Transmittal

Application Number:	15064521			
Filing Date:	08-Mar-2016			
Title of Invention:	Powered Hydrofoil Board			
First Named Inventor/Applicant Name:	Jacob Willem Langelaan			
Filer:	James Lee Shands/Jeanne Frenning			
Attorney Docket Number:	4664.001US2			
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
SUBMISSION- INFORMATION DISCLOSURE STMT	2806	1	90	90
Total in USD (\$)				90

Electronic Acknowledgement Receipt

EFS ID:	27076733
Application Number:	15064521
International Application Number:	
Confirmation Number:	7155
Title of Invention:	Powered Hydrofoil Board
First Named Inventor/Applicant Name:	Jacob Willem Langelaan
Customer Number:	21186
Filer:	James Lee Shands/Jeanne Frenning
Filer Authorized By:	James Lee Shands
Attorney Docket Number:	4664.001US2
Receipt Date:	29-SEP-2016
Filing Date:	08-MAR-2016
Time Stamp:	16:19:42
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$90
RAM confirmation Number	093016INTEFSW00003508190743
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		15064521_IDS_9-29-16.pdf	235155	yes	8
			cdc177ce9ce912b7dcdda2956a5b960cc5b20f9e		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Miscellaneous Incoming Letter		1	1	
	Miscellaneous Incoming Letter		2	2	
	Transmittal Letter		3	4	
	Information Disclosure Statement (IDS) Form (SB08)		5	8	
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30577	no	2
			cbea1d70da87715b11242bb289e6232d66d79f0f		
Warnings:					
Information:					
Total Files Size (in bytes):			265732		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Jacob Willem Langelaan
Title: POWERED HYDROFOIL BOARD

Docket No.: 4664.001US2
Filed: March 8, 2016
Examiner: Jovon Hayes
Customer No.: 21186

Serial No.: 15/064,521
Due Date: N/A
Group Art Unit: 3617
Confirmation No.: 7155

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

- ☒ Communication Concerning Prior and Copending Applications (1 pg.)
- ☒ Information Disclosure Statement (2 pgs.), Form 1449 (4 pgs.) Documents NOT enclosed, cited in parent application
- ☒ Authorization to charge Deposit Account 19-0743 in the amount of \$90.00 to cover the fee for consideration of Information Disclosure Statement under 37 C.F.R. § 1.97(c).

If not provided for in a separate paper filed herewith, please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743. If applicable, any papers or fees supplied herewith are considered to be timely filed pursuant to 37 C.F.R. § 1.7(a), the response period falling on a Federal Holiday, Saturday or Sunday being extended to the next succeeding business day.

SCHWEGMAN LUNDBERG & WOESSNER, P.A.
Customer No.: 21186

By: Brent Farese
Brent L. Farese
Reg. No. 63,617

S/N 15/064,521

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Jacob Willem Langelaan

Examiner: Jovon Hayes

Serial No.: 15/064,521

Group Art Unit: 3617

Filed: March 8, 2016

Docket: 4664.001US2

Customer No.: 21186

Confirmation No.: 7155

Title: POWERED HYDROFOIL BOARD

COMMUNICATION CONCERNING PRIOR OR COPENDING APPLICATION(S)

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Pursuant to the guidance of MPEP §§ 2001.06(b) and 2004(9), Applicant would like to bring the following additional application(s) to the Examiner's attention. The identification of these applications is not intended to suggest that the subject matter claimed in any listed application is, or has been, substantially similar to any claim or claims in the present application.

<u>Serial No./</u> <u>Patent No.</u>	<u>Filing Date</u>	<u>Attorney Docket</u>	<u>Title</u>
14/509,289 9,359,044	October 8, 2014	4664.001US1	WEIGHT-SHIFT CONTROLLED PERSONAL HYDROFOIL WATERCRAFT
29/570,471	July 8, 2016	4664.002US1	HYDROFOIL BOARD

Respectfully submitted,

SCHWEGMAN LUNDBERG & WOESSNER, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6900

Date 9/29/16 By Brent Farese
Brent L. Farese
Reg. No. 63,617

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Jacob Willem Langelaan

Examiner: Jovon Hayes

Serial No.: 15/064,521

Group Art Unit: 3617

Filed: March 8, 2016

Docket: 4664.001US2

Customer No.: 21186

Confirmation No.: 7155

Title: POWERED HYDROFOIL BOARD

INFORMATION DISCLOSURE STATEMENT

MS Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Information Disclosure Statement be entered and the documents listed on the attached PTO 1449 Form be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the PTO 1449 Form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Pursuant to 37 C.F.R. § 1.97(c)(2), Applicant hereby authorizes the Commissioner to charge the fee of \$90.00 as set forth in 37 C.F.R. § 1.17(p), to Deposit Account No. 19-0743. Please charge any additional fees or deficiencies, or credit any overpayment to Deposit Account No. 19-0743.

Pursuant to 37 C.F.R. § 1.98(d), copies of the listed documents are not provided as these references were previously cited by or submitted to the U.S. Patent Office in connection with Applicant's prior U.S. application, Serial No. 14/509,289, filed on October 8, 2014, which is relied upon for an earlier filing date under 35 U.S.C. § 120.

Pursuant to 37 C.F.R. § 1.98(a)(2), copies of cited U.S. Patents and Published Applications, and Non-Published Applications identifiable by USPTO Serial Number, are no longer required to be provided to the Office. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. § 1.98(a)(2).

The Examiner is invited to contact the undersigned at the telephone number indicated if there are any questions regarding this communication.

Respectfully submitted,

SCHWEGMAN LUNDBERG & WOESSNER, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6900

Date 9/29/16 By Brent L. Farese
BLF:jmf Brent L. Farese
Reg. No. 63,617

Application Number 	Application/Control No. 15/064,521	Applicant(s)/Patent under Reexamination LANGELAAN, JACOB WILLEM	
Document Code - DISQ		Internal Document – DO NOT MAIL	

TERMINAL DISCLAIMER	☒ APPROVED	☐ DISAPPROVED
Date Filed : 9/22/2016	This patent is subject to a Terminal Disclaimer	

Approved/Disapproved by:
<p>Patricia Volpe, OCRU 571-272-6825</p> <p>Patent Number: 9,359,044</p>

U.S. Patent and Trademark Office



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

21186 7590 11/02/2016
SCHWEGMAN LUNDBERG & WOESSNER, P.A.
P.O. BOX 2938
MINNEAPOLIS, MN 55402

EXAMINER

HAYES, JOVON E

ART UNIT

PAPER NUMBER

3617

DATE MAILED: 11/02/2016

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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15/064,521

03/08/2016

Jacob Willem Langelaan

4664.001US2

7155

TITLE OF INVENTION: Powered Hydrofoil Board

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional

SMALL

\$480

\$0

\$0

\$480

02/02/2017

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

21186 7590 11/02/2016
SCHWEGMAN LUNDBERG & WOESSNER, P.A.
P.O. BOX 2938
MINNEAPOLIS, MN 55402

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/064,521	03/08/2016	Jacob Willem Langelaan	4664.001US2	7155

TITLE OF INVENTION: Powered Hydrofoil Board

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	02/02/2017

EXAMINER	ART UNIT	CLASS-SUBCLASS
HAYES, JOVON E	3617	440-006000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
- ☐ Applicant asserting small entity status. See 37 CFR 1.27
- ☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/064,521	03/08/2016	Jacob Willem Langelaan	4664.001US2	7155

21186 7590 11/02/2016
SCHWEGMAN LUNDBERG & WOESSNER, P.A.
P.O. BOX 2938
MINNEAPOLIS, MN 55402

EXAMINER

HAYES, JOVON E

ART UNIT	PAPER NUMBER
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3617

DATE MAILED: 11/02/2016

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

<i>Notice Requiring Inventor's Oath or Declaration</i>	Application No. 15/064,521	Applicant(s) Jacob Willem Langelaan	
	Examiner HAYES, JOVONE	Art Unit 3617	

This notice is an attachment to the Notice of Allowability (PTOL-37), or the Notice of Allowability For A Design Application (PTOL-37D).

An inventor's oath or declaration in compliance with 37 CFR 1.63 or 1.64 executed by or with respect to each inventor has not yet been submitted.

An oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each inventor (for any inventor for which a compliant oath, declaration, or substitute statement has not yet been submitted) **MUST** be filed no later than the date on which the issue fee is paid. See 35 U.S.C. 115(f). Failure to timely comply will result in ABANDONMENT of this application.

A properly executed inventor's oath to declaration has not been received for the following inventor(s):

If applicant previously filed one or more oaths, declarations, or substitute statements, applicant may have received an informational notice regarding deficiencies therein.

The following deficiencies are noted:

INFORMAL ACTION PROBLEMS

- A properly executed inventor's oath or declaration has not been received for the following inventor(s): **Jacob Willem Langelaan**.

Applicant may submit the inventor's oath or declaration at any time before the Notice of Allowance and Fee(s) Due, PTOL-85, is mailed.

Questions relating to this Notice should be directed to the Application Assistance Unit at 571-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. 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 1.14. This collection is estimated to take 12 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, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. 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.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 15/064,521	Applicant(s) LANGELAAN, JACOB WILLEM	
	Examiner JOVON HAYES	Art Unit 3617	AIA (First Inventor to File) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an amendment received 9/22/16.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are 1-3 and 13-29. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some *c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. ☒ Notice of References Cited (PTO-892) | 5. ☐ Examiner's Amendment/Comment |
| 2. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>9/29/16</u> | 6. ☒ Examiner's Statement of Reasons for Allowance |
| 3. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 7. ☐ Other _____. |
| 4. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____. | |

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DETAILED ACTION

1. This is an allowance of CON amended application 15/064,521.
2. Claims 4-12 are canceled.
3. Claims 1-3 and 13-29 are allowed.

Terminal Disclaimer

4. The terminal disclaimer filed on 9/22/16 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of US 9,359,044 has been reviewed and is accepted. The terminal disclaimer has been recorded.

REASONS FOR ALLOWANCE

5. The following is an examiner's statement of reasons for allowance: prior art search did not reveal the limitations of the surfboard with the hydrofoil and propulsion system configuration.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOVON HAYES whose telephone number is (571)272-3115. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Samuel (Joe) Morano can be reached on 5712726684. The fax phone

Art Unit: 3617

number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/JOVON HAYES/
Examiner, Art Unit 3617

/Lars A. Olson/
Primary Examiner, Art Unit 3617

Notice of References Cited	Application/Control No. 15/064,521	Applicant(s)/Patent Under Reexamination LANGELAAN, JACOB WILLEM	
	Examiner JOVON HAYES	Art Unit 3617	Page 1 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-3,265,027 A	08-1966	BROWN ARTHUR E	B63H11/12	114/278
*	B	US-3,405,677 A	10-1968	SMITH ROBERT C	B63B35/7943	114/55.53
*	C	US-5,809,926 A	09-1998	Kelsey; Kevin	B63B1/286	114/274
*	D	US-6,019,059 A	02-2000	Kelsey; Kevin R	B63B1/28	114/274
*	E	US-6,178,905 B1	01-2001	Dynes; Richard	B63B35/731	114/55.54
*	F	US-6,409,560 B1	06-2002	Austin; Shawn M.	B63B35/731	440/89J
*	G	US-2002/0124783 A1	09-2002	Dynes, Richard	B63B1/285	114/55.54
*	H	US-2005/0109258 A1	05-2005	Smith, Timothy D.	B63B1/24	114/274
*	I	US-7,047,901 B2	05-2006	Chen; Shane	B63B1/246	114/274
*	J	US-7,232,355 B2	06-2007	Woolley; Robert C.	B63B1/248	114/253
*	K	US-2007/0245943 A1	10-2007	Rice; Mark Shipley	B60V1/08	114/272
*	L	US-7,731,555 B2	06-2010	Railey; Mike R.	B63B35/7943	440/6
*	M	US-2010/0167605 A1	07-2010	Schultz; Wilderich C.	B63H5/14	440/67

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Notice of References Cited	Application/Control No. 15/064,521		Applicant(s)/Patent Under Reexamination LANGELAAN, JACOB WILLEM	
	Examiner JOVON HAYES		Art Unit 3617	Page 2 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-7,832,349 B2	11-2010	Dansie; Stephen W.	B63B1/24	114/274
*	B	US-2010/0323568 A1	12-2010	CHAMBERS; Tucker C.	B63B35/793	441/79
*	C	US-7,854,637 B2	12-2010	Schultz; Wilderich C.	B63H5/14	440/67
*	D	US-2015/0104985 A1	04-2015	Langelaan; Jacob Willem	B63H21/17	440/6
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



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BIB DATA SHEET

CONFIRMATION NO. 7155

SERIAL NUMBER 15/064,521	FILING or 371(c) DATE 03/08/2016 RULE	CLASS 440	GROUP ART UNIT 3617	ATTORNEY DOCKET NO. 4664.001US2	
APPLICANTS INVENTORS Jacob Willem Langelaan, State College, PA; ** CONTINUING DATA ***** This application is a CON of 14/509,289 10/08/2014 PAT 9359044 which claims benefit of 61/889,071 10/10/2013 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED *** SMALL ENTITY ** 03/22/2016					
Foreign Priority claimed ☐ Yes ☒ No 35 USC 119(a-d) conditions met ☐ Yes ☒ No Verified and Acknowledged <u>/JOVON E HAYES/</u> Examiner's Signature	☐ Met after Allowance Initials	STATE OR COUNTRY PA	SHEETS DRAWINGS 4	TOTAL CLAIMS 12	INDEPENDENT CLAIMS 1
ADDRESS SCHWEGMAN LUNDBERG & WOESSNER, P.A. P.O. BOX 2938 MINNEAPOLIS, MN 55402 UNITED STATES					
TITLE Powered Hydrofoil Board					
FILING FEE RECEIVED 800	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit		

Search Notes 	Application/Control No. 15064521	Applicant(s)/Patent Under Reexamination LANGELAAN, JACOB WILLEM
	Examiner JOVON HAYES	Art Unit 3617

CPC- SEARCHED		
Symbol	Date	Examiner
b63b1/248	5/14/2016	jh
b63b1/248	10/15/2016	jh

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
114	74	5/14/2016	jh

SEARCH NOTES		
Search Notes	Date	Examiner
conducted class and text search.	5/14/2016	jh
conducted class and text search.	10/15/2016	jh

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
b63b1/248		10/15/2016	jh
441	74	10/15/2016	jh

/JOVON HAYES/ Examiner.Art Unit 3617	
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	<i>Complete if Known</i>	
	Application Number	15/064,521
	Filing Date	March 8, 2016
	First Named Inventor	Jacob Willem Langelaan
	Group Art Unit	3617
	Examiner Name	Jovon Hayes
Sheet 1 of 4		Attorney Docket No: 4664.001US2

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document
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EXAMINER

/Jovon Hayes/

DATE CONSIDERED

10/15/2016

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant is to place a check mark here if English language Translation is attached

ALL REFERENCES CONSIDERED EXCEPT 104-11154 LINED THROUGH. /J.H./

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	<i>Complete if Known</i>	
	Application Number	15/064,521
	Filing Date	March 8, 2016
	First Named Inventor	Jacob Willem Langelaan
	Group Art Unit	3617
	Examiner Name	Jovon Hayes
Sheet 2 of 4		Attorney Docket No: 4664.001US2

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Sheet 3 of 4		Attorney Docket No: 4664.001US2

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	<i>Complete if Known</i>	
	Application Number	15/064,521
	Filing Date	March 8, 2016
	First Named Inventor	Jacob Willem Langelaan
	Group Art Unit	3617
	Examiner Name	Jovon Hayes
Sheet 4 of 4		Attorney Docket No: 4664.001US2

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Examiner Initial *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 1
	"Application Serial No. 14/509,289, Examiner Interview Summary mailed 11-18-15", 3 pgs	
	"Application Serial No. 14/509,289, Non Final Office Action mailed 08-17-15", 9 pgs	
	"Application Serial No. 14/509,289, Notice of Allowance mailed 04-26-16", 9 pgs	
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	"Application Serial No. 14/509,289, Preliminary Amendment filed 04-12-16", 6 pgs	
	"Application Serial No. 14/509,289, Response filed 11-16-15 to Non Final Office Action mailed 08-17-15", 8 pgs	

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ALL REFERENCES CONSIDERED EXCEPT 10/15/16 LINED THROUGH. /J.H./

<i>Index of Claims</i> 	Application/Control No. 15064521	Applicant(s)/Patent Under Reexamination LANGELAAN, JACOB WILLEM
	Examiner JOVON HAYES	Art Unit 3617

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant				☐ CPA				☒ T.D.				☐ R.1.47			
CLAIM		DATE													
Final	Original	05/14/2016	10/15/2016												
1	1	✓	=												
2	2	✓	=												
3	3	✓	=												
	4	✓	-												
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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"14509289"	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 14:47
S2	0	b63b5/15.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 14:48
S3	174	b63b1/248.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 14:48
S4	18	("2747138" "2931332" "3227123" "3262413" "4274357" "4508046" "4971586" "5062378" "6192817" "6702634" "7047901" "7144285" "7232355" "7731555").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 14:49
S5	26	(surfboard waterboard powerboard watercraft) and hydrofoil and strut and propulsion and (jet adj drive propulsor kort adj nozzle thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:03
S6	0	114/74 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and propulsion and (jet adj drive propulsor kort adj nozzle thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:07
S7	0	114/74 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and propulsion and (jet adj drive propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:07
S8	0	114/74 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and propulsion and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:08
S9	0	114/74 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:08
S10	0	114/79 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:09
S11	14	"114"/ and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:09
S12	4	441/74 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:09
S13	0	441/77 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:10
S14	2	441/79 and (surfboard waterboard powerboard watercraft) and hydrofoil	US-PGPUB; USPAT;	OR	ON	2015/08/08 15:10

		and strut and (propulsor thruster)	USOCR			
S15	1	440/6 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:11
S16	3	"440"/ and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:11
S17	14	"114"/ and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:12
S18	19	(surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:13
S19	6	114/274 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:15
S20	3	114/278 and (surfboard waterboard powerboard watercraft) and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:16
S21	0	board and hydrofoil and strut and proulson and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:17
S22	15	board and hydrofoil and strut and propulsion and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:17
S23	3	surfboard and hydrofoil and strut and propulsion and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:20
S24	15	watercraft and hydrofoil and strut and propulsion and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:20
S25	15	watercraft and hydrofoil and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:20
S26	24	watercraft and (hydrofoil foil) and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:20
S27	10	surfboard and (hydrofoil foil) and strut and (propulsor thruster)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:21
S28	35	surfboard and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:22
S29	35	(surfboard waterboard powerboard sportsboard boogieboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:25
S30	29	"114"/ and (surfboard waterboard powerboard sportsboard boogieboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:27
S31	14	"441"/ and (surfboard waterboard powerboard sportsboard boogieboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/08 15:27
S32	26	("0857951" "2593806" "2931332" "3456613" "3465704" "3650234"	US-PGPUB; USPAT;	OR	OFF	2015/08/10 08:38

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S33	0	("2007/0245943").URPN.	USPAT	OR	OFF	2015/08/10 08:42
S34	5	"440"/ and (surfboard waterboard powerboard sportsboard boogieboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:44
S35	0	441/65 and (surfboard waterboard powerboard sportsboard boogieboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:46
S36	0	441/65 and (surfboard waterboard powerboard sportsboard paddleboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:46
S37	35	441/and (surfboard waterboard powerboard sportsboard paddleboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:46
S38	14	"441"/ and (surfboard waterboard powerboard sportsboard paddleboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:46
S39	3	"441"/74 and (surfboard waterboard powerboard sportsboard paddleboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:47
S40	7	"441"/79 and (surfboard waterboard powerboard sportsboard paddleboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:47
S41	3	"441"/74 and (surfboard waterboard powerboard sportsboard paddleboard) and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:48
S42	18	"441"/74 and (surfboard waterboard powerboard sportsboard paddleboard) and (hydrofoil foil) and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR	OR	ON	2015/08/10 08:49
S43	26	("0857951" "2593806" "2931332" "3456613" "3465704" "3650234" "3722450" "4349340" "4711195" "4972792" "5083948" "5117776" "5136961" "5362264" "5413066" "5448963" "5471942" "6178905" "6409560" "6468118").PN. OR ("7047901").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/08/10 08:50
S44	27	("3405677" "3456613" "3536025" "4020782" "4274357" "5516126" "D260797").PN. OR ("6409560").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/08/10 08:57
S45	4	(surfboard paddleboard waterboard) and hydrofoil with tail	USPAT	OR	OFF	2015/08/10 10:10
S46	19	(surfboard paddleboard waterboard) and hydrofoil with tail	US-PGPUB; USPAT;	OR	ON	2015/08/10 10:11

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S47	1	("2015/0017850").URPN.	USPAT	OR	OFF	2015/08/10 10:12
S48	7	("20050266746" "20080305698" "20150017850" "2815518" "7832349" "7926437").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/08/10 10:13
S57	36	surfboard and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/04/16 22:29
S58	84	surfboard and (hydrofoil foil) and (strut fin) and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/04/16 22:32
S59	362362	441/ andsurfboard and (hydrofoil foil) and (strut fin) and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/04/16 22:32
S60	26	441/ and surfboard and (hydrofoil foil) and (strut fin) and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/04/16 22:32
S61	59	114/ and surfboard and (hydrofoil foil) and (strut fin) and (propulsor thruster propeller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/04/16 22:34

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	37	surfboard and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT	OR	ON	2016/10/15 15:57
L2	175	b63b1/248.cpc.	US-PGPUB; USPAT	OR	ON	2016/10/15 15:57
L3	857	114/274	US-PGPUB; USPAT	OR	OFF	2016/10/15 15:58
L4	19	1 and 2	US-PGPUB; USPAT	OR	OFF	2016/10/15 15:58
L5	6	1 and 3	US-PGPUB; USPAT	OR	OFF	2016/10/15 15:58
S49	759	114/274	USPAT	OR	OFF	2015/11/19 18:31

S50	825	114/274	US-PGPUB; USPAT	OR	OFF	2015/11/19 18:31
S51	33	surfboard and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT	OR	ON	2015/11/19 18:32
S52	163	b63b1/248.cpc.	US-PGPUB; USPAT	OR	ON	2015/11/19 18:32
S53	5	S50 and S51	US-PGPUB; USPAT	OR	ON	2015/11/19 18:33
S54	17	S52 and S51	US-PGPUB; USPAT	OR	ON	2015/11/19 18:33
S55	1445	441/74	US-PGPUB; USPAT	OR	ON	2015/11/19 18:48
S56	5	S52 and S55	US-PGPUB; USPAT	OR	ON	2015/11/19 18:48
S62	34	surfboard and (hydrofoil foil) and strut and (propulsor thruster propeller)	US-PGPUB; USPAT	OR	ON	2016/04/16 22:17

10/ 15/ 2016 4:20:10 PM
C:\ Users\ jhayes\ Documents\ EAST\ Workspaces\ 15064521.wsp

Issue Classification 	Application/Control No. 15064521	Applicant(s)/Patent Under Reexamination LANGELAAN, JACOB WILLEM	
	Examiner JOVON HAYES	Art Unit 3617	

CPC						
Symbol					Type	Version
B63B		35	/	79	F	2013-01-01
B63B		1	/	248	I	2013-01-01
B63H		11	/	04	I	2013-01-01
B63H		1	/	16	I	2013-01-01
B63B		35	/	7926	I	2013-01-01
B63B		35	/	7943	I	2013-01-01
B63H		21	/	17	I	2013-01-01
B63H		21	/	21	I	2013-01-01
B63H		5	/	14	I	2013-01-01
			/			
			/			
			/			
			/			
			/			
			/			

CPC Combination Sets							
Symbol				Type	Set	Ranking	Version

/JOVON HAYES/ Examiner.Art Unit 3617 (Assistant Examiner)	10/15/2016 (Date)	Total Claims Allowed: 20	
/LARS A OLSON/ Primary Examiner.Art Unit 3617 (Primary Examiner)	10/28/2016 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

Issue Classification 	Application/Control No. 15064521	Applicant(s)/Patent Under Reexamination LANGELAAN, JACOB WILLEM
	Examiner JOVON HAYES	Art Unit 3617

☐ Claims renumbered in the same order as presented by applicant				☐ CPA				☒ T.D.				☐ R.1.47			
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	8	17												
2	2	9	18												
3	3	10	19												
	4	11	20												
	5	12	21												
	6	13	22												
	7	14	23												
	8	15	24												
	9	16	25												
	10	17	26												
	11	18	27												
	12	19	28												
4	13	20	29												
5	14														
6	15														
7	16														

/JOVON HAYES/ Examiner.Art Unit 3617 (Assistant Examiner)	10/15/2016 (Date)	Total Claims Allowed: 20	
/LARS A OLSON/ Primary Examiner.Art Unit 3617 (Primary Examiner)	10/28/2016 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

S/N 15/064,521

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Jacob Willem Langelaan

Examiner: Jovon Hayes

Serial No.: 15/064,521

Group Art Unit: 3617

Filed: March 8, 2016

Docket: 4664.001US2

Customer No.: 21186

Confirmation No.: 7155

Title: POWERED HYDROFOIL BOARD

COMMUNICATION RE: RESPONSE TO NOTICE REQUIRING INVENTOR'S
OATH/DECLARATION

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

In a compliance with 37 CFR 1.63, we submit the Signed Declaration. Corresponding fees with regard to the late submission were paid with the filing of the application on March 8, 2016 therefore applicants believe no additional fees are due at this time.

Applicants assume the application is now in proper order and in condition for allowance. Please direct any inquiries to the undersigned at (612) 373-6900. If necessary, please charge any additional fees or credit overpayment to Deposit Account 19-0743.

Respectfully submitted,

Schwegman Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6900

Date 12/7/16

By Brent L. Farese

BLF:CMG:kab

Brent L. Farese
Reg. No. 63,617

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Jacob Willem Langelaan

Title: POWERED HYDROFOIL BOARD

Docket No.: 4664.001US2
Filed: March 8, 2016
Examiner: Jovon Hayes
Customer No.: 21186

Serial No.: 15/064,521
Due Date: N/A
Group Art Unit: 3617
Confirmation No.: 7155

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

We are transmitting herewith the attached:

☒ Communication Re: Response to Notice Requiring Inventor's Oath/Declaration (1 pg.).
☒ Signed Declaration (1 pg.).

It is believed that no additional fee is required. However, if necessary, please charge any additional required fees or credit overpayment to Deposit Account No. 19-0743.

Schwegman Lundberg & Woessner, P.A.
Customer No: 21186
BLF:CMG:kab

By: Brent L. Farese
Brent L. Farese
Reg. No. 63,617

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being transmitted using the USPTO's electronic filing system EFS-Web, and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 7 day of December, 2016.

Kasie A. Bosma
Name

/Kasie A. Bosma/
Signature

Electronic Acknowledgement Receipt

EFS ID:	27724858
Application Number:	15064521
International Application Number:	
Confirmation Number:	7155
Title of Invention:	Powered Hydrofoil Board
First Named Inventor/Applicant Name:	Jacob Willem Langelaan
Customer Number:	21186
Filer:	Timothy Paul/Kasie Bosma
Filer Authorized By:	Timothy Paul
Attorney Docket Number:	4664.001US2
Receipt Date:	07-DEC-2016
Filing Date:	08-MAR-2016
Time Stamp:	16:02:34
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
------------------------	----

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		4664001US2Decl.pdf	219858	yes	3
			f3fc1851c820bf4afd1f9b2c570000f1ad7e1819		

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Oath or Declaration filed	3	3
	Miscellaneous Incoming Letter	2	2
	Transmittal Letter	1	1
Warnings:			
Information:			
Total Files Size (in bytes):		219858	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>			

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	WEIGHT-SHIFT CONTROLLED PERSONAL HYDROFOIL WATERCRAFT
-----------------------	---

As the below named inventor, I hereby declare that:

This declaration ☒ The attached application, or
is directed to: ☐ United States application or PCT international application number _____
filed on _____

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

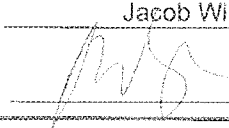
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Jacob Willem Langelaan Date (Optional) : _____

Signature:  _____

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

21186 7590 11/02/2016
SCHWEGMAN LUNDBERG & WOESSNER, P.A.
P.O. BOX 2938
MINNEAPOLIS, MN 55402

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Kasie A. Bosma	(Depositor's name)
/Kasie A. Bosma/	(Signature)
January 24, 2017	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/064,521	03/08/2016	Jacob Willem Langelaan	4664.001US2	7155

TITLE OF INVENTION: Powered Hydrofoil Board

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	02/02/2017

EXAMINER	ART UNIT	CLASS-SUBCLASS
HAYES, JOVON E	3617	440-006000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☒ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a **Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

- 1 SCHWEGMAN LUNDBERG &
2 WOESSNER, P.A.
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number 19-0743 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
- ☐ Applicant asserting small entity status. See 37 CFR 1.27
- ☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature

Brent L. Farese

Date

1/23/17

Typed or printed name

Brent L. Farese

Registration No.

63,617

S/N 15/064,521

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Jacob Willem Langelaan

Examiner: Jovon Hayes

Serial No.: 15/064,521

Group Art Unit: 3617

Filed: March 8, 2016

Docket No.: 4664.001US2

Customer No.: 21186

Confirmation No.: 7155

Title: POWERED HYDROFOIL BOARD

COMMUNICATION RE: FEE ADDRESS

Mail Stop Issue Fee
Commissioner for Patents
P.O.Box 1450
Alexandria, VA 22313-1450

In response to the Notice of Allowance and Issue Fee Due, please record the Fee Address under the provisions of 37 CFR 1.363 as the following:

Customer Number 21186

Please direct any inquiries to the undersigned attorney at (612) 373-6900.

Respectfully submitted,

SCHWEGMAN LUNDBERG & WOESSNER, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6900

Date 1 / 23 / 17

By Brent L. Farese
Brent L. Farese
Reg. No. 63,617

BLF:CMG:kab

Electronic Patent Application Fee Transmittal				
Application Number:		15064521		
Filing Date:		08-Mar-2016		
Title of Invention:		Powered Hydrofoil Board		
First Named Inventor/Applicant Name:		Jacob Willem Langelaan		
Filer:		Timothy Paul/Kasie Bosma		
Attorney Docket Number:		4664.001US2		
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	2501	1	480	480

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				480

Electronic Acknowledgement Receipt

EFS ID:	28151145
Application Number:	15064521
International Application Number:	
Confirmation Number:	7155
Title of Invention:	Powered Hydrofoil Board
First Named Inventor/Applicant Name:	Jacob Willem Langelaan
Customer Number:	21186
Filer:	Timothy Paul/Kasie Bosma
Filer Authorized By:	Timothy Paul
Attorney Docket Number:	4664.001US2
Receipt Date:	24-JAN-2017
Filing Date:	08-MAR-2016
Time Stamp:	14:55:45
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$ 480
RAM confirmation Number	012517INTEFSW00001295190743
Deposit Account	190743
Authorized User	Kasie Bosma

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

37 CFR 1.19 (Document supply fees)
37 CFR 1.20 (Post Issuance fees)
37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		4664001US2IssueFee.pdf	316553	yes	3
			d55fc1625066b31f743203e519d6c97818a b0c4d		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Transmittal Letter		1	1	
	Issue Fee Payment (PTO-85B)		2	2	
	Miscellaneous Incoming Letter		3	3	
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30295	no	2
			fd710c9523e1191d7d6aee8a24fb944c451 20965		
Warnings:					
Information:					
Total Files Size (in bytes):			346848		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Jacob Willem Langelaan
Title: POWERED HYDROFOIL BOARD

Docket No.: 4664.001US2
Filed: March 8, 2016
Examiner: Jovon Hayes
Customer No.: 21186

Serial No.: 15/064,521
Due Date: February 2, 2017
Group Art Unit: 3617
Confirmation No.: 7155

Notice of Allowance Date: November 2, 2016

Mail Stop Issue Fee

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

We are transmitting herewith the following:

- ☒ Authorization to charge Deposit 19-0743 in the amount of \$480.00 to cover the Small Entity Issue Fee Payment.
- ☒ Issue Fee Transmittal (Form PTOL-85).
- ☒ Communication Re: Fee Address (1 page).

Please charge any additional required fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN LUNDBERG & WOESSNER, P.A.
Customer No.: 21186
BLF:CMG:kab

By /Brent L. Farese/
Brent L. Farese
Reg. No. 63,617

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being filed using the USPTO's electronic filing system EFS-Web, and is addressed to: Mail Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 24 day of January, 2017.

Kasie A. Bosma
Name

/Kasie A. Bosma/
Signature

Receipt date: 09/29/2016

15064521 - GAU: 3617

Modified form PTO/SB/08A(04-07) OMB 851-0031

US Patent & Trademark Office: U.S. DEPARTMENT OF COMMERCE

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

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	<i>Complete if Known</i>	
	Application Number	15/064,521
	Filing Date	March 8, 2016
	First Named Inventor	Jacob Willem Langelaan
	Group Art Unit	3617
	Examiner Name	Jovon Hayes
Sheet 1 of 4	Attorney Docket No: 4664.001US2	

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document
Change(s) applied to document, /K.B./ 11/23/2016	US-0,293,133	2/5/1884	Applegate, W H
	US-0,322,712	7/21/1885	Harris
	US-0,326,241	9/15/1885	Preston 1885
	US-0,374,713	12/13/1887	Smith, L S 1887
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	US-0,497,158	5/8/1893	Allen 1893
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	US-0,670,263	3/19/1901	Whiton, Lucius E
	US-0,704,790	7/15/1902	Gillinder, Frederick R, et al.
	US-0,714,428	11/25/1902	Wirth, Ernst
	US-0,723,235	3/24/1903	Brachhausen, Gustav A
	US-0,773,155	10/25/1904	O'Neill, Charles J
	US-20010007235A1	7/12/2001	Dynes, Richard, et al.
	US-20010042498A1	11/22/2001	Burnham, Daniel J
	US-20020056408A1	5/16/2002	Dec, Andrzej, et al.
	US-20020072285A1	6/13/2002	Jung, Kooock Elan
	US-20030167991A1	9/11/2003	Namanny, Stan
	US-20040139905A1	7/22/2004	Chen, Shane
	US-20060094310A1	5/4/2006	Railey, Mike R
	US-20070046028A1	3/1/2007	Gizara, Andrew Roman
	US-20070089657A1	4/26/2007	Ruan, Chia-wen, et al.
	US-20070283865A1	12/13/2007	Railey, Mike R
	US-20080078316A1	4/3/2008	Gizara, Andrew Roman
	US-20080168937A1	7/17/2008	Ruan, Chia-wen, et al.
	US-20080173225A1	7/24/2008	Proto, Salvatore
	US-20090165690A1	7/2/2009	Walworth, Christopher J, et al.
	US-20090221198A1	9/3/2009	Townsend, Barnaby Alain Roger
	US-20100233920A1	9/16/2010	Railey, Mike R
	US-20110003521A1	1/6/2011	Roman, Kendyl A
	US-20110056423A1	3/10/2011	Railey, Mike R
	US-20110201238A1	8/18/2011	Rott, Dainuri, et al.
	US-20110212691A1	9/1/2011	Rott, Dainuri, et al.
	US-20110256518A1	10/20/2011	Rott, Dainuri
	US-20120000409A1	1/5/2012	Railey, Mike R
	US-20120073486A1	3/29/2012	Railey, Mike R
	US-20120225598A1	9/6/2012	Railey, Mike R, et al.

EXAMINER

/Jovon Hayes/

DATE CONSIDERED

10/15/2016

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant is to place a check mark here if English language Translation is attached

ALL REFERENCES CONSIDERED EXCEPT 10-11-15 LINED THROUGH. /J.H./



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/064,521	03/07/2017	9586659	4664.001US2	7155

21186 7590 02/15/2017
SCHWEGMAN LUNDBERG & WOESSNER, P.A.
P.O. BOX 2938
MINNEAPOLIS, MN 55402

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Jacob Willem Langelaan, State College, PA;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

Patent 9,586,659 B2

PATENT

IN UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 9,586,659 B2

Docket No: 4664.001US2

Issue Date: Mar. 7, 2017

Patentee: Jacob Willem Langelaan

Customer No.: 21186

Confirmation No.: 7155

Title POWERED HYDROFOIL BOARD

REQUEST FOR CERTIFICATE OF CORRECTION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
ATTN: CERTIFICATE OF CORRECTION BRANCH

It is requested that a Certificate of Correction be issued correcting printing errors appearing in the above-identified United States patent. A copy of the text of the Certificate in the suggested form is enclosed.

Issuance of the Certificate of Correction would neither expand nor contract the scope of the claims as properly allowed, and re-examination is not required.

As the error is that of the Patent Office, it is believed that no fee is due.

The Examiner is authorized to charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully Submitted,

SCHWEGMAN, LUNDBERG & WOESSNER, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6900

Date : 8/1/17

By: Brent L. Farese
Brent L. Farese
Reg. No: 63,617

CERTIFICATE UNDER 37 CFR § 1.8: The undersigned hereby certifies that this correspondence is filed using the USPTO's electronic filing system EFS-Web, and is addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, on this 2nd day of August 2017

CaTina Jensen
Name

/CaTina Jensen/
Signature

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.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 9,586,659 B2

Page (1) of 1

DATED : Mar. 7, 2017

INVENTOR(S) : Jacob Willem Langelaan

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 9, line 4, in Claim 19, after "controlling", insert --the--

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG & WOESSNER, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 4664.001US2

PATENT NO. 9,586,659

No. of additional copies



Electronic Acknowledgement Receipt

EFS ID:	29965727
Application Number:	15064521
International Application Number:	
Confirmation Number:	7155
Title of Invention:	Powered Hydrofoil Board
First Named Inventor/Applicant Name:	Jacob Willem Langelaan
Customer Number:	21186
Filer:	Mark Victor Muller/CaTina Jensen
Filer Authorized By:	Mark Victor Muller
Attorney Docket Number:	4664.001US2
Receipt Date:	02-AUG-2017
Filing Date:	08-MAR-2016
Time Stamp:	17:05:53
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		4664001US2_COC.pdf	140303	yes	3
			d3b5c9a08652142197e3d5620e64a654f326ebdd		

Multipart Description/PDF files in .zip description			
Document Description		Start	End
Transmittal Letter		1	1
Request for Certificate of Correction		2	3
Warnings:			
Information:			
Total Files Size (in bytes):		140303	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>			

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jacob Willem Langelaan

Examiner: Jovon E. Hayes

Patent No.: 9,586,659 B2

Group Art Unit: 3617

Issue Date: Mar. 7, 2017

Docket No: 4664.001US2

Title: POWERED HYDROFOIL BOARD

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

ATTN: CERTIFICATE OF CORRECTION BRANCH

We are transmitting herewith the attached:

☒ Request for Certificate of Correction. (1 pg.)

☒ Certificate of Correction Form - PTO-1050 (1 pg.)

Please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG & WOESSNER, P.A.

Customer No: 21186

By: Brent L. Farese

Brent L. Farese

Reg. No: 63,617

CERTIFICATE UNDER 37 CFR § 1.8: The undersigned hereby certifies that this correspondence is filed using the USPTO's electronic filing system EFS-Web, and is addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, on this 2nd day of August 2017.

CaTina Jensen

Name

/CaTina Jensen/

Signature

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 9,586,659 B2
APPLICATION NO. : 15/064521
DATED : March 7, 2017
INVENTOR(S) : Jacob Willem Langelaan

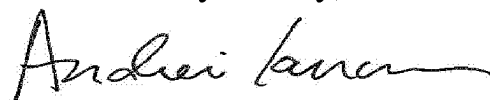
Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims

In Column 9, Line 4, in Claim 19, after “controlling”, insert --the--

Signed and Sealed this
First Day of May, 2018

A handwritten signature in black ink, appearing to read "Andrei Iancu".

Andrei Iancu
Director of the United States Patent and Trademark Office

To:	Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
-----	---	---

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Southern District of California on the following: X Patents or Trademarks:

DOCKET NO.	DATE FILED	US District Court Southern District of California
3:20-cv-01648-LAB-WVG	8/24/20	San Diego, CA
PLAINTIFF		DEFENDANT
MHL Custom, Inc.		Avante Innovations, LLC
PATENT OR TRADEMARK NO.	PATENT OR TRADEMARK NO.	PATENT OR TRADEMARK NO.
1. 9,359,044	6.	11.
2. 9,586,659	7.	12.
3.	8.	13.
4.	9.	14.
5.	10.	15.

In the above-entitled case, the following patents(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY	
	<u> </u> Amendment <u> </u> Answer <u> </u> Cross Bill <u> </u> Other Pleading	
PATENT OR TRADEMARK NO.	PATENT OR TRADEMARK NO.	PATENT OR TRADEMARK NO.
1.	6.	11.
2.	7.	12.
3.	8.	13.
4.	9.	14.
5.	10.	15.

In the above-entitled case, the following decision has been rendered or judgment issued:

DECISION/JUDGMENT

CLERK	(BY) DEPUTY CLERK	DATE
John Morrill		

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
---	---

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been
filed in the U.S. District Court District of Delaware on the following

☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT District of Delaware
PLAINTIFF MHL CUSTOM, INC.		DEFENDANT WAYDOO USA, INC., SHENZHEN WAYDOO INTELLIGENCE TECHNOLOGY CO., LTD.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 9,359,044	6/17/2016	MHL CUSTOM, INC.
2 9,586,659	3/7/2017	MHL CUSTOM, INC.
3		
4		
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1		
2		
3		
4		
5		

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
-------	-------------------	------

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

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

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

☒ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above:

00530

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

☒ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

MHL Custom, Inc.

☐ Inventor or Joint Inventor (title not required below)

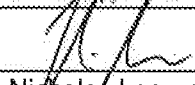
☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

☒ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)

☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature		Date (Optional)	May 7 th 2020
Name	Nicholas Leason		
Title	President		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

☐ Total of 1 forms are submitted.

Electronic Acknowledgement Receipt

EFS ID:	44454534
Application Number:	15064521
International Application Number:	
Confirmation Number:	7155
Title of Invention:	Powered Hydrofoil Board
First Named Inventor/Applicant Name:	Jacob Willem Langelaan
Customer Number:	21186
Filer:	Keith McWha/Melinda Cormier
Filer Authorized By:	Keith McWha
Attorney Docket Number:	4664.001US2
Receipt Date:	07-DEC-2021
Filing Date:	08-MAR-2016
Time Stamp:	15:10:21
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	Power_of_Attorney_by_Applicant_PTO_AIA-82.pdf	19410 228ecfd7378ed60c00f97e182a7d2e864e2ee7cc	no	1

Warnings:

Information:					
2	Power of Attorney	executed_general_POA.PDF	90616	no	1
			c9bea827cf216921184d07d2a3ac360a27bff8169		
Warnings:					
Information:					
Total Files Size (in bytes):			110026		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

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.

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	15/064,521
Filing Date	03/08/2016
First Named Inventor	Nicholas Leason
Title	Powered Hydrofoil Board
Art Unit	3617
Examiner Name	Jovon E. Hayes
Attorney Docket Number	MHLCUS 3.0F-002 CON

SIGNATURE of Applicant or Patent Practitioner

Signature	/Michael C. Bossner/	Date (Optional)	December 7, 2021
Name	Michael C. Bossner	Registration Number	79,441
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

☐

*Total of 1 forms are submitted.

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via the Office electronic filing system in accordance with 37 C.F.R. § 1.6(a)(4).

Dated: December 7, 2021

Electronic Signature for Michael C. Bossner: /Michael C. Bossner/



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/064,521	03/08/2016	Jacob Willem Langelaan	4664.001US2

21186
SCHWEGMAN LUNDBERG & WOESSNER, P.A.
P.O. BOX 2938
MINNEAPOLIS, MN 55402

CONFIRMATION NO. 7155
IMPROPER CPOA LETTER



Date Mailed: 12/14/2021

NOTICE REGARDING POWER OF ATTORNEY

This is in response to the power of attorney filed 12/07/2021. The power of attorney in this application is not accepted for the reason(s) listed below:

- The power of attorney is from an assignee and the statement required by 37 CFR 3.73(c) has not been received.

/qnguyen/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

00530
LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK
20 COMMERCE DRIVE
CRANFORD, NJ 07016
UNITED STATES

REQUEST TO CORRECT OR UPDATE THE NAME OF THE APPLICANT UNDER 37 CFR 1.46(c)(1), OR CHANGE THE APPLICANT UNDER 37 CFR 1.46(c)(2) (FOR USE ONLY IN APPLICATIONS FILED ON OR AFTER SEPTEMBER 16, 2012)	Application Number	15/064,521-Conf. #7155
	Filing Date	March 8, 2016
	First Named Inventor	Jacob W. Langelaan
	Art Unit	3617
	Examiner Name	J. E. Hayes
	Practitioner Docket Number	MHLCUS 3.0F-002 CON

**To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

Applicant hereby **requests that the name of the applicant be corrected or updated under 37 CFR 1.46(c)(1), or that the applicant be changed under 37 CFR 1.46(c)(2),** in the above-identified application. **Requests under 37 CFR 1.46(c)(1) or (c)(2) cannot be submitted after payment of the issue fee or if the application has been patented.**

Please check the applicable box(es) below.

- ☐ 1. This request is to **correct or update the name of the applicant (under 37 CFR 1.46(c)(1))** and includes:
- ☐ An application data sheet (ADS) in accordance with 37 CFR 1.76(c) with the corrected or updated information shown with markings (e.g., underlining for insertions, strikethrough for deletions). A Corrected Web-based ADS may be used.
- Note:** Requests under 37 CFR 1.46(c)(1) may be filed to correct typographical errors in the name of the § 1.46 applicant, or for updating the name of the § 1.46 applicant (i.e., where there is no change in the applicant itself but just in the applicant's name). See the Manual of Patent Examining Procedure (MPEP) section 605.01.
- ☒ 2. This request is to **change the applicant (under 37 CFR 1.46(c)(2))** and includes:
- ☒ An application data sheet (ADS) in accordance with 37 CFR 1.76(c) that identifies the changes with proper markings (underlining for insertions and strikethrough for deletions). A Corrected Web-based ADS may be used.
- ☒ A Statement Under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent). See MPEP 325.

I am the

☐ applicant* ☒ attorney or agent of record ☐ attorney or agent acting under 37 CFR 1.34

Registration number 79,441 Registration number _____

Signature /Michael C. Bossner/

Typed or printed name Michael C. Bossner

Date December 28, 2021

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. *Juristic entities must be represented by a patent practitioner (See 37 CFR 1.31, applicable to any paper filed on or after September 16, 2012 that is presented on behalf of a juristic entity, regardless of application filing date). Submit multiple forms if more than one signature is required, see below**.

☐ ** Total of 1 forms are submitted.

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via the Office electronic filing system in accordance with 37 C.F.R. § 1.6(a)(4).

Dated: December 28, 2021

Electronic Signature for Michael C. Bossner: /Michael C. Bossner/

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	15/064,521		
Filing Date	March 8, 2016		
First Named Inventor	Jacob W. Langelaan		
Title	Powered Hydrofoil Board		
Art Unit	3617		
Examiner Name	J. E. Hayes		
Attorney Docket Number	MHLCUS 3.0F-002 CON		
SIGNATURE of Applicant or Patent Practitioner			
Signature	/Michael C. Bossner/	Date (Optional)	December 28, 2021
Name	Michael C. Bossner	Registration Number	79,441
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			
<p>NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.</p>			
☐ *Total of <u>1</u> forms are submitted.			

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.

STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: MHL Custom, Inc.

Application No./Patent No.: 9,586,659 Filed/Issue Date: March 7, 2017

Titled: Powered Hydrofoil Board

MHL Custom, Inc., a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. ☒ The assignee of the entire right, title, and interest.
2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):
- ☐ The extent (by percentage) of its ownership interest is _____ %. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.
- ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. ☐ The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. ☐ The recipient, via a court proceeding or the like (e.g., bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____ , Frame _____ , or for which a copy thereof is attached.
- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Jacob Willem Langelaan To: MHL Custom, Inc.
The document was recorded in the United States Patent and Trademark Office at
Reel 056687 , Frame 0055 , or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____ , Frame _____ , or for which a copy thereof is attached.

[Page 1 of 2]

STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).☒ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature /Michael C. Bossner/_____
Date December 28, 2021_____
Printed or Typed Name Michael C. Bossner_____
Title or Registration Number 79,441

[Page 2 of 2]

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via the Office electronic filing system in accordance with 37 C.F.R. § 1.6(a)(4).

Dated: December 28, 2021

Electronic Signature for Michael C. Bossner: /Michael C. Bossner/

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

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

☒ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above:

00530

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

☒ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

MHL Custom, Inc.

☐ Inventor or Joint Inventor (title not required below)

☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

☒ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)

☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature

Date (Optional)

Name

Nicholas Leason

Title

President

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

☐ Total of 1 forms are submitted.

Electronic Acknowledgement Receipt

EFS ID:	44623992
Application Number:	15064521
International Application Number:	
Confirmation Number:	7155
Title of Invention:	Powered Hydrofoil Board
First Named Inventor/Applicant Name:	Jacob Willem Langelaan
Customer Number:	21186
Filer:	James A. Vezeris/Traci Krauss
Filer Authorized By:	James A. Vezeris
Attorney Docket Number:	4664.001US2
Receipt Date:	28-DEC-2021
Filing Date:	08-MAR-2016
Time Stamp:	15:47:13
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	Application_Data_Sheet_ADS_ -_PTO_AIA-14.pdf	48657 853878d73dc1d0001cb27f0078164ce8719 0c9e2	no	1

Warnings:

Information:					
This is not an USPTO supplied ADS fillable form					
2	Power of Attorney	Request_for_Applicant-Related_Correction_in_Patent_Application_37_CFR_146_AIA-41.pdf	65857 a10fb8a3df10d36c4e1a7813cdc7fe0816675c40	no	1
Warnings:					
Information:					
3	Power of Attorney	Power_of_Attorney_by_Applicant_-_Part_A_PTO_AIA-82.pdf	15878 37e71dc1a76a51367182fbb064cb1676a04de1df	no	1
Warnings:					
Information:					
4	Assignee showing of ownership per 37 CFR 3.73	Statement_Under_37_CFR_373c_PTO_AIA-96.pdf	25693 d125bdac0788cc4c84668dc083600e9c3426dc38	no	2
Warnings:					
Information:					
5	Power of Attorney	executed_general_POA.PDF	90616 c9bea827cf216921184d07d2a3ac360a27bfb8169	no	1
Warnings:					
Information:					
Total Files Size (in bytes):			246701		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

Corrected Application Data Sheet

Application Number: 15/064,521
Filing Date: 03/08/16
Title:: Powered Hydrofoil Board

Please correct Applicant Information

Applicant Number: 1
Applicant Type: Assignee
Organization Name:: Jacob W. Langelaan MHL Custom, Inc.
Street of mailing address:: 606 Devonshire Drive 500 Barrio Bajuras
City of mailing address:: State College Isabela
Country of mailing address:: Pennsylvania Puerto Rico
Postal or Zip Code of mailing address:: 46803 00662

Signature:

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). **However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).**

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Michael C. Bossner/	Date (YYYY-MM-DD)	2021-12-28
Name	Michael C. Bossner	Registration Number	79,441



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/064,521	03/08/2016	Jacob Willem Langelaan	MHLCUS 3.0F-002 CON

CONFIRMATION NO. 7155

POA ACCEPTANCE LETTER



OC000000130881718

530
LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK
20 COMMERCE DRIVE
CRANFORD, NJ 07016

Date Mailed: 01/06/2022

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 12/28/2021.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/ttran/



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/064,521	03/08/2016	Jacob Willem Langelaan	4664.001US2

21186
SCHWEGMAN LUNDBERG & WOESSNER, P.A.
P.O. BOX 2938
MINNEAPOLIS, MN 55402

CONFIRMATION NO. 7155
POWER OF ATTORNEY NOTICE



OC000000130881679

Date Mailed: 01/06/2022

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 12/28/2021.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/ttran/