

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5572915

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BILLY W. HELTON	04/21/2017
MARK W. JONES	08/25/2017
RECEIVING PARTY DATA	
Name:	GREEN FROG TURBINES (UK) LIMITED
Street Address:	17 THE COURTYARD, GORSEY LANE
Internal Address:	COLESHILL, BIRMINGHAM
City:	WEST MIDLANDS
State/Country:	UNITED KINGDOM
Postal Code:	B46 1JA
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	14991228
PCT Number:	IB1600429
Application Number:	15735510
CORRESPONDENCE DATA	
Fax Number:	(801)566-0750
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	8015666633
Email:	andrea.phillips@tnw.com
Correspondent Name:	ERIK S. ERICKSEN
Address Line 1:	8180 S. 700 E., SUITE 350
Address Line 4:	SANDY, UTAH 84070
ATTORNEY DOCKET NUMBER:	4095-001.NP, .PCT, PCT2.U
NAME OF SUBMITTER:	ERIK S ERICKSEN
SIGNATURE:	/ErikSEricksen/
DATE SIGNED:	06/14/2019
Total Attachments: 6 source=HeltonAssignment#page1.tif	

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source=HeltonAssignment#page3.tif
source=MarkAssignment#page1.tif
source=MarkAssignment#page2.tif
source=MarkAssignment#page3.tif

WHEN RECORDED RETURN TO:
Erik S. Eriksen, M.S.
Thorpe North & Western, LLP
P.O. Box 1219
Sandy, UT 84091-1219

Docket No. 3876-001.NP

ASSIGNMENT

WHEREAS, we, Billy W. Helton (resident of the State of Utah, whose postal mailing address is 950 N. 100 W., Pleasant Grove, Utah 84062), and Mark W. Jones (resident of the Country of United Kingdom, whose postal mailing address is Cottage Farm, Frog Lane, balsall Common, Coventry CV7 7FP, United Kingdom (hereinafter "Assignors") have invented a certain new and useful improvement in a **BOUNDARY LAYER TURBOMACHINE** for which an application for United States Letters Patent is being filed concurrently herewith OR which was filed on January 8, 2016 as THORPE NORTH & WESTERN, LLP Docket No. 3876-001.NP, and given U.S. Patent Application Serial No. 14/991,228; and

WHEREAS, Green Frog Turbines (UK) Limited, a Limited Company, organized and existing under the laws of the United Kingdom, having a business address of 17 The Courtyard, Gorsey Lane, Colehill, Birmingham, West Midlands B46 1JA, (hereinafter "Assignee"), is desirous of acquiring Assignor's entire right, title, and interest in the same;

NOW, THEREFORE, in consideration of one dollar (\$1.00) and other good and valuable consideration paid to us by the Assignee, the receipt and sufficiency whereof is hereby acknowledged, we the said Assignors, hereby grant and assign unto the said Assignee, our entire right, title and interest in said invention and in all patent applications based thereon, including but not limited to the above identified United States Patent Application and in all provisionals, divisions, continuations, and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries; the right, power and authority to file and prosecute U.S. and foreign patent applications on said invention, and to do so in its own name wherever such right may be legally

exercised, and including the right to claim the priority and benefits of the International Convention for such applications; and the right to bring actions for infringement of any right in said invention in its own name, including past infringement, in any jurisdiction.

We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all Letters Patent on said invention to the said Assignee as the owner of our entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following: prompt execution of all original, divisional, substitution, reissue, and other United States and foreign patent applications on said invention, and all lawful documents as requested by the Assignee to further the prosecution of any of such patent applications; and cooperation to the best of our ability including, but not limited to, the execution of all lawful documents, the production of evidence in any actions or proceedings concerning the invention, including, but not limited to, nullification, reissue, extension, and infringement proceedings involving said invention.

This assignment and agreement shall be binding upon our heirs and legal representatives.

WHEN RECORDED RETURN TO:
Erik S. Ericksen, M.S.
Thorpe North & Western, LLP
P.O. Box 1219
Sandy, UT 84091-1219

Docket No. 4095-001.PCT2

ASSIGNMENT

WHEREAS, I, Mark W. Jones (resident of the Country of United Kingdom, whose postal mailing address is Cottage Farm, Frog Lane, Balsall Common, Coventry CV7 7FP, United Kingdom), (hereinafter "Assignors") have invented a certain new and useful improvement in a **BOUNDARY LAYER TURBOMACHINE** for which an application for United States Letters Patent is being filed concurrently herewith OR which was filed on June 10, 2016 as THORPE NORTH & WESTERN, LLP Docket No. 3876-001.PCT2, and given U.S. Patent Application Serial No.PCT/US16/37017 and:

WHEREAS, Green Frog Turbines (UK) Limited, a Limited Liability Company, organized and existing under the laws of the Country of the United Kingdom, having a business address of 17 The Courtyard, Gorsey Lane, Coleshill, Birmingham, West Midlands B46 1JA, (hereinafter "Assignee"), is desirous of acquiring Assignor's entire right, title, and interest in the same;

NOW, THEREFORE, in consideration of one dollar (\$1.00) and other good and valuable consideration paid to us by the Assignee, the receipt and sufficiency whereof is hereby acknowledged, we the said Assignors, hereby grant and assign unto the said Assignee, our entire right, title and interest in said invention and in all patent applications based thereon, including but not limited to the above identified United States Patent Application and in all provisionals, divisions, continuations, and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries; the right, power and authority to file and prosecute U.S. and foreign patent applications on said invention, and to do so in its own name wherever such right may be legally

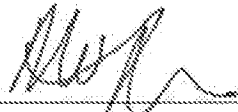
exercised, and including the right to claim the priority and benefits of the International Convention for such applications; and the right to bring actions for infringement of any right in said invention in its own name, including past infringement, in any jurisdiction.

We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all Letters Patent on said invention to the said Assignee as the owner of our entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following: prompt execution of all original, divisional, substitution, reissue, and other United States and foreign patent applications on said invention, and all lawful documents as requested by the Assignee to further the prosecution of any of such patent applications; and cooperation to the best of our ability including, but not limited to, the execution of all lawful documents, the production of evidence in any actions or proceedings concerning the invention, including, but not limited to, nullification, reissue, extension, and infringement proceedings involving said invention.

This assignment and agreement shall be binding upon our heirs and legal representatives.

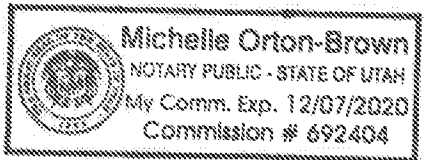
Executed this 25th day of AUGUST, 2017 at SANDY
UTAH. (City, State).

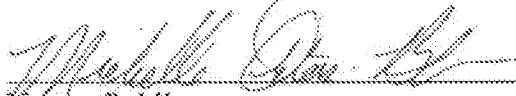


Mark W. Jones

STATE OF Utah)
County of Salt Lake) SS

Before me personally appeared Mark W. Jones and acknowledged the foregoing instrument to be his free act and deed this 25 day of AUGUST, 2017.





Notary Public