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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EUGENE CHARLES JANSEN	06/13/2018
JEFFREY CHEN	06/22/2018

RECEIVING PARTY DATA

Name:	THERMAL AND FLUIDS SOLUTIONS GROUP, LLC
Street Address:	357 DECATUR ROAD
City:	STAFFORD
State/Country:	VIRGINIA
Postal Code:	22554

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16611932

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 202-776-7800

Email: amherrman@duanemorris.com
Correspondent Name: DUANE MORRIS LLP (RRC)

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Address Line 4: WASHINGTON, D.C. 20004

ATTORNEY DOCKET NUMBER:	G3106-00302 / LWA12264	
NAME OF SUBMITTER:	D. JOSEPH ENGLISH	
SIGNATURE:	/D. Joseph English/	
DATE SIGNED:	11/08/2019	

Total Attachments: 5

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PATENT 505764070 REEL: 050956 FRAME: 0490

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PATENT REEL: 050956 FRAME: 0491

ASSIGNMENT

Name	of	Tnv	en	to	r
1,000	\sim	. I. J. J. V	ω_{1}		ι.

Eugene Charles Jansen

For good and valuable consideration, sufficiency and receipt of which is hereby acknowledged by the undersigned, the undersigned agrees to assign, and hereby does assign, transfer and set over to

Name of Assignee:

Thermal and Fluids Solutions Group, LLC

Address of Assignee:

357 Decatur Road

Stafford, VA 22554

and its successors, legal representatives and assigns (hereinafter designated as the Assignee) the entire right, title and interest in the invention disclosed and/or claimed in the application for patent identified below, the application for patent from which it claims priority, as well as all applications for patent and any Letters Patent which may be granted therefor and therefrom in the United States of America and all foreign countries, and in and to any and all divisions, continuations, continuations-in-part of said applications, or re-issues or extensions of said patents or Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, including but not limited to the right to claim damages and seek all other remedies against any third party's infringement of said patents which occurred prior to or after the assignment, the right and interests to claim priority related to said applications and patents as well as all other emoluments, interests, profits, and benefits arising therefrom:

Title:

TWO-PHASE THERMAL PUMP

Application Number:

PCT/US18/33543

Date filed:

May 18, 2018

claiming priority of:

Title:

SINGLE-PASS EXPENDABLE TWO-

PHASE THERMAL PUMPER WITH

POWER RECOVERY

Application Number:

62/508,074

Date filed:

May 18, 2017

PATENT REEL: 050956 FRAME: 0492 The undersigned further agrees to cooperate with the Assignee in every way possible and to do all affirmative acts, and to execute all papers which counsel for Assignee shall advise are necessary and/or desirable without charge to Assignee in connection with said applications including, without limitation, the execution of separate assignments in connection with such applications, claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to said Assignee, as Assignee of the entire interest, and hereby covenants that he has full right to convey the entire interest herein assigned, and that he not executed and will not execute, any agreement in conflict herewith.

In witness whereof, executed by the undersigned on the date indicated.

Date <u>Q/10/18</u>	Signature of In	ventor		
£		· · · · · · · · · · · · · · · · · · ·	Eugene Charles Jansen	
	8			
STATE OF Virginia	*			
			SS.	
COUNTY OF 1	<u> 1812 - </u>	₩.		

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

NOTARY PUBLIC

My commission expires: 11/30/2019

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MOTABY
PUBLIC
PU

ASSIGNMENT

Name of Inventor:	Jeffrey Chen
For good and valuable consideration, s	sufficiency and receipt of which is hereby
acknowledged by the undersigned, the undersi	igned agrees to assign, and hereby does assign,
transfer and set over to	
Name of Assignee:	Thermal and Fluids Solutions Group, LLC
Address of Assignee:	357 Decatur Road
	Stafford, VA 22554
entire right, title and interest in the invention of patent identified below, the application for patent applications for patent and any Letters Patent the United States of America and all foreign of continuations, continuations-in-part of said apport Letters Patent, and all rights under the Interest Industrial Property, including but not limited to remedies against any third party's infringement the assignment, the right and interests to claim	oplications, or re-issues or extensions of said patents mational Convention for the Protection of to the right to claim damages and seek all other nt of said patents which occurred prior to or after n priority related to said applications and patents as
well as all other emoluments, interests, profits	s, and benefits arising therefrom:
Title: Application Number: Date filed:	TWO-PHASE THERMAL PUMP PCT/US18/33543 May 18, 2018
claiming priority of:	
Title:	SINGLE-PASS EXPENDABLE TWO- PHASE THERMAL PUMPER WITH POWER RECOVERY
Application Number:	<u>62/508,074</u>
Date filed:	May 18, 2017

PATENT REEL: 050956 FRAME: 0494 The undersigned further agrees to cooperate with the Assignee in every way possible and to do all affirmative acts, and to execute all papers which counsel for Assignee shall advise are necessary and/or desirable without charge to Assignee in connection with said applications including, without limitation, the execution of separate assignments in connection with such applications, claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

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In witness whereof, executed by the undersigned on the date indicated.

Date 4/22/18 Signature of I	Inventor Jeffrey Chen
STATE OF: COUNTY OF	SEE ATTACHED SEE ATTACHED CALIFORNIA ACKNOWLEDGEMENT
On this, the day of personally appeared Eugene Charles Jansen Charles Jansen, being authorized to do so, etherein contained.	, 2018, before me,, n, known to me (or satisfactorily proven) to be Eugene executed the foregoing instrument for the purposes
IN WITNESS WHEREOF, I have h	nereunto set my hand and official seal.
	NOTARY PUBLIC
My commission expires:	

ACKNOWLEDGMENT

(CALIFORNIA CIVIL CODE 1189)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California County of Orange

SS.

On <u>JUNE 22ND 2018</u> before me,

RANA AMIRANI, Notary Public

(Name and title of the officer)

personally appeared

------JEFFREY CHEN ------,

Name(s) of Signer(s)

Who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

RANA AMIRANI
Notary Public - California
Orange County
Commission # 2240922
My Comm. Expires May 3, 2022

I certify under PENALTY OF PERJURY under the laws of the State of California that the forgoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Signature of Notary Public

Place Notary Seal Above

OPTIONAL INFORMATION

Description of Attached Document: ASSIGNMENT

Number of Pages: 2

Document Date: JUNE 22ND 2018

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