506076751 05/27/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6123466

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the CORRECTIVE BY NULLIFICATION TO CORRECT THE RECEIVING PARTY INCORRECTLY RECORDED previously recorded on Reel 036594 Frame 0761. Assignor(s) hereby confirms the ASSIGNMENT.
RESUBMIT DOCUMENT ID:	506040754

CONVEYING PARTY DATA

Name	Execution Date
COLLIN JENNINGS COOLIDGE	10/02/2018
SHANSHAN XU	08/31/2018
RONGGUI YANG	10/08/2018
CHING-YI LIN	09/10/2018
YUNG-CHENG LEE	02/08/2019
RYAN JOHN LEWIS	06/05/2018
LI-ANNE LIEW	05/23/2018

RECEIVING PARTY DATA

Name:	THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE
Street Address:	1800 GRANT STREET
Internal Address:	8TH FLOOR
City:	DENVER
State/Country:	COLORADO
Postal Code:	80203

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14857567

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: 3853216179

Email: audri@sandersiplaw.com

Correspondent Name: SANDERS IP

Address Line 1: 240 N. EAST PROMONTORY

Address Line 2: SUITE 200

Address Line 4: FARM	MINGTON, UTAH 84025
ATTORNEY DOCKET NUMBER:	K2212.10002US02
NAME OF SUBMITTER:	JASON A. SANDERS
SIGNATURE:	/Jason A. Sanders/
DATE SIGNED:	05/27/2020

Total Attachments: 8

source=K2212.10002US02-CorrectedAssignmentSigned#page1.tif source=K2212.10002US02-CorrectedAssignmentSigned#page2.tif source=K2212.10002US02-CorrectedAssignmentSigned#page3.tif source=K2212.10002US02-CorrectedAssignmentSigned#page4.tif source=K2212.10002US02-CorrectedAssignmentSigned#page5.tif source=K2212.10002US02-CorrectedAssignmentSigned#page6.tif source=K2212.10002US02-CorrectedAssignmentSigned#page7.tif source=K2212.10002US02-Original Cover Sheet#page1.tif

Title of Inventio	MICROPILLAR-ENABLED THERMAL GROUND PLANE	
Docket Number	K2212,10002US02	
As the below name	d inventor, I hereby declare that:	
This declaration is directed to:	The attached application, or	
	United States application or PCT international application numberfiled on	
The above-identific	d application was made or authorized to be made by me.	
I believe that I am	he original inventor or an original joint inventor of a claimed invention in the application.	
I hereby acknowled or imprisonment of The WHEREAS at: 5429 Illim Way, above-identified United Standardised United Standardises, extens	ge that any willful false statement made in this declaration is punishable under 18 U.S.C. [00] by fine not more than five (5) years, or both. Regents of the University of Colorado, a body corporate Kelvin Thermal Technologies, he (hereinafter referred to as "ASSIGNEE") having a place of business Boulder, Colorado, 80203, desires to acquire the entire right, title and interest in said invention and the ited States patent application; 1800 Grant Street, 8th Floor, Denver, Colorado 80203 REFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby reby assign to the ASSIGNEE, the entire right, title and interest in said invention and in the aboveates patent application and in all divisions, continuations and continuations-in-part of said application, ions and renewals of Letters Patent granted thereon, and in all corresponding natural applications.	
Letters Patents ison	the United States ("Extends countries") and corresponding international patent applications, and in all ing on any such patent applications in the United States and foreign countries;	
own name and the	sign to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its right to claim priority to the above-identified United States patent application under the terms of the ortion and any other relevant treaties;	
I hereby authorize and request the United States Patent & Trademark Office and officials in putent offices in foreign countries to issue any and all of said Letters Patent to the ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of the ASSIGNEE, its successors, assigns, and legal representatives, to the full end of the term for which said Letters Patent may be granted; and		
Further, I agree that, without further consideration, I will communicate to the ASSIGNEE any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause said Letters Patent to be issued to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.		
LEGAL NAME O	FINVENTOR COLUMN AND AND AND AND AND AND AND AND AND AN	
	in John Date: 4/9/19	
Signature: 4		

MASCHOFF BRENNAN, PLLC 1389 Center Drive, SUITE 300 PARK CITY, UTAH 84098, USA

Title of Invention	MICROPILLAR-ENABLED THERMAL GROUND PLANE	
Docket Number	K2212.10002US02	
As the below named in	ventor, I hereby declare that:	
This declaration	☐ The attached application, or	
is directed to:	United States application or PCT international application numberfiled on	
The above-identified a	pplication 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.	
or imprisonment of not The Reg. WHEREAS, K at: 5429 Illini Way, Bo	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine more than five (5) years, or both. ents of the University of Colorado, a body corporate elvin Thermal Technologies, Inc (hereinafter referred to as "ASSIGNEE") having a place of business pulder, Colorado, 80303 desires to acquire the entire right, title and interest in said invention and the d States patent application; 1800 Grant Street, 8th Floor, Denver, Colorado 80203	
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I hereby assign to the ASSIGNBE, the entire right, title and interest in said invention and in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, and reissues, extensions and renewals of Letters Patent granted thereon, and in all corresponding patent applications filed in countries foreign to the United States ("foreign countries") and corresponding international patent applications, and in all Letters Patents issuing on any such patent applications in the United States and foreign countries;		
own name and the rig	n to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its ht to claim priority to the above-identified United States patent application under the terms of the on and any other relevant treaties;	
countries to issue any a and to the same, for the	rize and request the United States Patent & Trademark Office and officials in patent offices in foreign and all of said Letters Patent to the ASSIGNEE as the assignee of my entire right, title and interest in e sole use and behoof of the ASSIGNEE, its successors, assigns, and legal representatives, to the full ich said Letters Patent may be granted; and	
Further, I agree that, without further consideration, I will communicate to the ASSIGNEE any facts known to me respecting said invention, and testify in any legal proceeding sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause said Letters Patent to be issued to the ASSIGNEE, make all rightful eaths, and, perform all lawful acts to aid the ASSIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.		
LEGAL NAME OF I	NVENTOR	
	Date: 9/01/2015	
Signature:	Thanshon Xn. SX 8/31/2018	

MASCHOFF BRENNAN, PLLC 1389 Center Drive, SUITE 300 PARK CITY, UTAH 84098, USA

Title of Invention	VA	CUUM-ENHANCED HEAT SPREADER	
Docket Number	K2212.10001US02		
As the below named in	vento	r, I hereby declare that:	
This declaration	\boxtimes	The attached application, or	
is directed to:		United States application or PCT international application filed on	ion number
The above-identified a	pplica	tion was made or authorized to be made by me.	
I believe that I am the	origin	al inventor or an original joint inventor of a claimed inv	ention in the application.
or imprisonment of no The Regent WHEREAS, & at: 5429 Illini Way, B	t more of the elvin oulder	ny willful false statement made in this declaration is put than five (5) years, or both. University of Colorado, a body corporate Thermal Technologies, Inc (hereinafter referred to as "A Colorado, 80303, desires to acquire the entire right, tit es patent application; 1800 Grant Street, 8th Floor, Denv	る、 からと、 SSIGNEE") having a place of business le and interest in said invention and the
acknowledged, I here identified United State and reissues, extension countries foreign to the	by ass s pate is and e Uni	E, for good and valuable consideration, the receipt ign to the ASSIGNEE, the entire right, title and interest at application and in all divisions, continuations and correnewals of Letters Patent granted thereon, and in all cotted States ("foreign countries") and corresponding interpretations are pulsed states and foreign such patent applications in the United States and foreign.	est in said invention and in the above- ontinuations-in-part of said application, orresponding patent applications filed in mational patent applications, and in all
own name and the ri	ght to	he ASSIGNEE the right to file patent applications in fo claim priority to the above-identified United States pa d any other relevant treaties;	
countries to issue any and to the same, for the	and a se sole	nd request the United States Patent & Trademark Office Il of said Letters Patent to the ASSIGNEE as the assigne use and behoof of the ASSIGNEE, its successors, assig id Letters Patent may be granted; and	e of my entire right, title and interest in
respecting said invent continuation-in-part, s Letters Patent to be iss	ion, a ubstit ued to	, without further consideration, I will communicate to a destify in any legal proceeding, sign all lawful paperate, renewal and reissue applications, execute all necesthe ASSIGNEE, make all rightful oaths, and, perform a patain and enforce Letters Patent for said invention in the	rs, execute all divisional, continuation, ssary assignment papers to cause said all lawful acts to aid the ASSIGNEE, its
LEGAL NAME OF	NVI	NTOR	
Inventor: Rong	gui Y	ang Date:	9-9-2015
Signature:		FJ	

MASCHOFF BRENNAN, PLLC 1389 Center Drive, SUITE 300 PARK CITY, UTAH 84098, USA

Title of Invention	MICROPILLAR-ENABLED THERMAL GROUND PLANE
Docket Number	K2212.10002US02
As the below named in	eventor, I bereby declare that:
This declaration	The attached application, or
is directed to	United States application or PCT international application number
	filed on
The above-identified a	pplication 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.
or resprisonment of no The Ri プ WHEREAS, K at: 5429 Illim Way, Bo	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine tomore than five (5) years, or both. Execute of the University of Colorado, a body corporate selvin Thermal Technologies, inc (hereinafter referred to as "ASSIGNEE") having a place of business sulder, Colorado, 20303, desires to acquire the entire right, title and interest in said invention and the d States patent application: 1800 Grant Street, 8th Floor, Denver, Colorado 80203
acknowledged, I herefinentified United State and ressues, extension countries foreign to the	EFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby by assign to the ASSIGNEE, the entire right, title and interest in said invention and in the aboves patent application and in all divisions, continuations and continuations-in-part of said application, and renewals of Letters Patent granted thereon, and in all corresponding patent applications filed in a United States ("foreign countries") and corresponding international patent applications, and in all on any such patent applications in the United States and foreign countries;
own name and the rig	n to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its but to claim priority to the above-identified United States patent application under the terms of the ion and any other relevant treaties;
countries to issue any and to the same, for the	rize and request the United States Patent & Trademark Office and officials in patent offices in foreign and all of said Letters Patent to the ASSIGNEE as the assignee of my entire right, title and interest in e sole use and behoof of the ASSIGNEE, its successors, assigns, and legal representatives, to the full ich said Letters Patent may be granted; and
Further, I agree that, without further consideration, I will communicate to the ASSIGNEE any facts known to me tespecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause said Leiters Patent to be issued to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.	
LEGAL NAME OF	NVENTOR
Invenior: Ching	<u>-Yi Lin</u> Date: <u>9/9/2=15</u>
Signature:	<u> Alago</u>

MASCHOFF BRENNAN, PLLC 1389 Center Drive, SUITE 300 PARK CITY, UTAH 84098, USA

Title of Invention	MICROPILLAR-ENABLED THERMAL GROUND PLANE	
Docket Number	K2212.10002US02	
As the below named in	oventor, 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 a	pplication 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.	
or imprisonment of no The Reger WHEREAS, K at: 5429 Illini Way, B	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine t more than five (5) years, or both. Its of the University of Colorado, a body corporate Celvin Thermal Technologies, Inc (hereinafter referred to as "ASSIGNEE") having a place of business bulder, Colorado, 80303, desires to acquire the entire right, title and interest in said invention and the desires patent application; 1800 Grant Street, 8th Floor, Denver, Colorado 80203	
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I hereby assign to the ASSIGNEE, the entire right, title and interest in said invention and in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, and reissues, extensions and renewals of Letters Patent granted thereon, and in all corresponding patent applications filed in countries foreign to the United States ("foreign countries") and corresponding international patent applications, and in all Letters Patents issuing on any such patent applications in the United States and foreign countries;		
I hereby assign to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its own name and the right to claim priority to the above-identified United States patent application under the terms of the International Convention and any other relevant treaties;		
I hereby authorize and request the United States Patent & Trademark Office and officials in patent offices in foreign countries to issue any and all of said Letters Patent to the ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of the ASSIGNEE, its successors, assigns, and legal representatives, to the full end of the term for which said Letters Patent may be granted; and		
Further, I agree that, without further consideration, I will communicate to the ASSIGNEE any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause said Letters Patent to be issued to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.		
LEGAL NAME OF INVENTOR		
Inventor: Yung	-Cheng Lee Date: 9/9/2015	
Signature:	- GARACI	

MASCHOFF BRENNAN, PLLC 1389 Center Drive, SUITE 300 PARK CITY, UTAH 84098, USA

Title of Invention	MICROPILLAR-ENABLED THERMAL GROUND PLANE
Docket Number	K2212.10002US02
As the below named in	nventor, I hereby declare that:
This declaration is directed to:	☐ The attached application, or
	United States application or PCT international application number
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.
or imprisonment of no The Rege WHEREAS, I at: 5429 Illini Way, B	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine of more than five (5) years, or both. Ints of the University of Colorado, a body corporate Lelvin Thermal Technologies, Inc (hereinafter referred to as "ASSIGNEE") having a place of business oulder, Colorado, 80303, desires to acquire the entire right, title and interest in said invention and the od States patent application; 1800 Grant Street, 8th Floor, Denver, Colorado 80203
acknowledged, I here identified United State and reissues, extension countries foreign to the	EFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby by assign to the ASSIGNEE, the entire right, title and interest in said invention and in the above-es patent application and in all divisions, continuations and continuations-in-part of said application, as and renewals of Letters Patent granted thereon, and in all corresponding patent applications filed in the United States ("foreign countries") and corresponding international patent applications, and in all gon any such patent applications in the United States and foreign countries;
own name and the ri	gn to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its ght to claim priority to the above-identified United States patent application under the terms of the tion and any other relevant treaties;
countries to issue any and to the same, for the	orize and request the United States Patent & Trademark Office and officials in patent offices in foreign and all of said Letters Patent to the ASSIGNEE as the assignee of my entire right, title and interest in he sole use and behoof of the ASSIGNEE, its successors, assigns, and legal representatives, to the full hich said Letters Patent may be granted; and
respecting said invent continuation-in-part, Letters Patent to be is:	ee that, without further consideration, I will communicate to the ASSIGNEE any facts known to me tion, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause said sued to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, its s, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.
LEGAL NAME OF	INVENTOR
Inventor: Ryan	John Lewis Date: 9/8/28/5
Signature:	Myr dec

MASCHOFF BRENNAN, PLLC 1389 Center Drive, SUITE 300 PARK CITY, UTAH 84098, USA

Title of Invention	MICROPILLAR-ENABLED THERMAL GROUND PLANE	
Docket Number	K2212.10002US02	
As the below named in	iventor, 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 a	pplication 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.	
or imprisonment of no The Re WHEREAS, K at: 5429 Illini Way, Bo	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine t more than five (5) years, or both. gents of the University of Colorado, a body corporate elvin Thermal Technologies, Inc (hereinafter referred to as "ASSIGNEE") having a place of business bulder, Colorado, 80303, desires to acquire the entire right, title and interest in said invention and the d States patent application; 1800 Grant Street, 8th Floor, Denver, Colorado 80203	
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I hereby assign to the ASSIGNEE, the entire right, title and interest in said invention and in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, and reissues, extensions and renewals of Letters Patent granted thereon, and in all corresponding patent applications filed in countries foreign to the United States ("foreign countries") and corresponding international patent applications, and in all Letters Patents issuing on any such patent applications in the United States and foreign countries;		
own name and the rig	m to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its pht to claim priority to the above-identified United States patent application under the terms of the ion and any other relevant treaties;	
countries to issue any and to the same, for the	orize and request the United States Patent & Trademark Office and officials in patent offices in foreign and all of said Letters Patent to the ASSIGNEE as the assignee of my entire right, title and interest in the sole use and behoof of the ASSIGNEE, its successors, assigns, and legal representatives, to the full nich said Letters Patent may be granted; and	
Further, I agree that, without further consideration, I will communicate to the ASSIGNEE any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause said Letters Patent to be issued to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.		
LEGAL NAME OF		
	Date: 9/9/15	

MASCHOFF BRENNAN, PLLC 1389 Center Drive, SUITE 300 PARK CITY, UTAH 84098, USA

503484902 09/17/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3531527

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHING-YI LIN	09/09/2015
RONGGUI YANG	09/09/2015
SHANSHAN XU	09/09/2015
LI-ANNE LIEW	09/09/2015
COLLIN JENNINGS COOLIDGE	09/09/2015
YUNG-CHENG LEE	09/09/2015
RYAN JOHN LEWIS	09/08/2015

RECEIVING PARTY DATA

Name:	KELVIN THERMAL TECHNOLOGIES, INC.	
Street Address:	5429 ILLINI WAY	
City:	BOULDER	
State/Country:	COLORADO	
Postal Code:	80303	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14857567

CORRESPONDENCE DATA

Fax Number: (435)252-1361

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: 435-252-1360
Email: apayne@mabr.com
Correspondent Name: MASCHOFF BRENNAN

Address Line 1: 1389 CENTER DRIVE, SUITE 300

Address Line 4: PARK CITY, UTAH 84098

ATTORNEY DOCKET NUMBER:	K2212.10002US02	
NAME OF SUBMITTER:	JASON A. SANDERS	
SIGNATURE:	/Jason A. Sanders, Reg. No. 59984/	
DATE SIGNED:	09/17/2015	

PATENT
RECORDED: 05/01/2020 REEL: 052757 FRAME: 0572