## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4588647

NAME previously recorded on Reel 041212 Frame 0869. Assignor(s)	SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
THE COMPANY NAME IS COMBINATI INCORPORATED.		hereby confirms the THE INVENTOR NAME IS JU-SUNG HUNG AND

#### **CONVEYING PARTY DATA**

Name	Execution Date
JU-SUNG HUNG	11/18/2016
ANDREW ZAYAC	11/18/2016
MEGAN DUECK	11/18/2016

#### **RECEIVING PARTY DATA**

Name:	COMBINATI INCORPORATED
Street Address:	3436 RAMBOW DRIVE
City:	PALO ALTO
State/Country:	CALIFORNIA
Postal Code:	94306

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15363896

#### **CORRESPONDENCE DATA**

**Fax Number:** (650)493-6811

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:** 650-493-9300

Email: natalie.morgan@wsgr.com

Correspondent Name: WILSON SONSINI GOODRICH & ROSATI

Address Line 1: 650 PAGE MILL ROAD

Address Line 4: PALO ALTO, CALIFORNIA 94304-1050

ATTORNEY DOCKET NUMBER:	51674-702.201
NAME OF SUBMITTER:	NATALIE MORGAN
SIGNATURE:	/NATALIE MORGAN/
DATE SIGNED:	09/11/2017

**Total Attachments: 13** 

source=combinati 51674-702.201 Original Coversheet#page1.tif

PATENT REEL: 043820 FRAME: 0049

source=Combinati 51674-702.201 Corrective Assignment - Executed#page1.tif
source=Combinati 51674-702.201 Corrective Assignment - Executed#page2.tif
source=Combinati 51674-702.201 Corrective Assignment - Executed#page3.tif
source=Combinati 51674-702.201 Corrective Assignment - Executed#page4.tif
source=Combinati 51674-702.201 Corrective Assignment - Executed#page5.tif
source=Combinati 51674-702.201 Corrective Assignment - Executed#page6.tif
source=Combinati 51674-702.201 Corrective Assignment - Executed#page7.tif
source=Combinati 51674-702.201 Corrective Assignment - Executed#page8.tif
source=Combinati 51674-702.201 Corrective Assignment - Executed#page9.tif
source=Combinati 51674-702.201 Corrective Assignment - Executed#page10.tif
source=Combinati 51674-702.201 Corrective Assignment - Executed#page11.tif
source=Combinati 51674-702.201 Corrective Assignment - Executed#page12.tif

PATENT REEL: 043820 FRAME: 0050

#### 504220210 02/09/2017

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4266887

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
PAUL JU-SUNG HUNG	11/18/2016
ANDREW ZAYAC	11/18/2016
MEGAN DUECK	11/18/2016

#### **RECEIVING PARTY DATA**

Name:	COMBINATI, INC.
Street Address:	3436 RAMBOW DRIVE
City:	PALO ALTO
State/Country:	CALIFORNIA
Postal Code:	94306

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15363896

#### CORRESPONDENCE DATA

Fax Number: (617)526-5000

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: 617-526-6000

Email: LORI.ROMAN@WILMERHALE.COM

LORI ROMAN/WILMERHALE **Correspondent Name:** 

Address Line 1: **60 STATE STREET** 

Address Line 4: BOSTON, MASSACHUSETTS 02109

ATTORNEY DOCKET NUMBER:	2212022.00121US2
NAME OF SUBMITTER:	LORI ROMAN
SIGNATURE:	/Lori Roman/
DATE SIGNED:	02/09/2017

### **Total Attachments: 12**

source=121US2\_executed\_Assignment\_Hung\_Dueck#page1.tif source=121US2\_executed\_Assignment\_Hung\_Dueck#page2.tif source=121US2\_executed\_Assignment\_Hung\_Dueck#page3.tif source=121US2 executed Assignment Hung Dueck#page4.tif

> **PATENT** REEL: 043820 FRAME: 0051

#### ASSIGNMENT

WHEREAS, the undersigned, to wit:

JH 03/31/2017

Paul Ju-sung HUNG residing at 3436 Rambow Drive, Palo Alto, California 94306; Andrew ZAYAC residing at 908 Burkhart Avenue, San Leandro, California 94579; Megan DUECK residing at 245 San Benito Rd, Ste#A, Brisbane, California 94005.

(hereinafter collectively ASSIGNORS), have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled:

# "MICROFLUIDIC SIPHONING ARRAY FOR NUCLEIC ACID QUANTIFICATION"

(a)	x which is being filed herewith in the United States Patent and Trademark Office	e;
(b)	which was filed as U.S. Patent Application No.	
	on ;	
	7 60 74 09/02/2017	

AND WHEREAS, Combinating Inc. (hereinafter ASSIGNEE), a corporation organized and existing under the laws of the Commonwealth/State of California, and having its principal place of business at 3436 Rambow Drive, Palo Alto, California 94306, is desirous of acquiring the entire right, title, and interest in and to said invention and any and all patents that may be obtained therefor, and in and to said application and any and all patents that may issue therefrom;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS do hereby sell, assign, transfer, and set over unto said ASSIGNEE, its successors, assigns, and legal representatives, all right, title, and interest in and to said invention throughout the world, and any and all patents of the United States and foreign countries that may be obtained therefor, including the right to sue for past infringement and obtain past damages, and in and to said application, including any and all non-provisionals, continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom, such right, title, and interest including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in the name of said ASSIGNEE, its successors, assigns, and legal representatives, throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, and all rights to register said invention in appropriate registries;

ASSIGNORS also do hereby covenant that they have the full right to convey the entire right, title, and interest herein assigned, and that they have not and will not execute any agreement in conflict herewith;

ASSIGNORS also do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application, including any continuations, continuations-in-part, divisions,

1

ActiveUS 159716684v.1

reissues, re-examinations, substitutions, and extensions thereof, to said ASSIGNEE, its successors, assigns, and legal representatives as the ASSIGNEE of the entire right, title, and interest herein assigned;

ASSIGNORS also do hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to perfect the entire right, title, and interest in said application, including any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom said ASSIGNEE, its successors, assigns, and legal representatives, and generally do everything possible to vest the entire right, title, and interest herein assigned in said ASSIGNEE, its successors, assigns, and legal representatives;

ASSIGNORS also do hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

WILMER CUTLER PICKERING HALE AND DORR LLP

All practitioners at Customer Number 23483.	
This ASSIGNMENT is effective as of	

ASSIGNEE	hereby acknowledges and accepts the	foregoing assignment.	
The undersig	gned is authorized to act on behalf of A	ASSIGNEE, Combination Inc.	0/7
Signature:		Date: November 18 2016	
Name:	Ju-Sung Hung		
Title:	President	,	

IN WITNESS WH	EREOF, I have l	hereunto set my hand	and seal this	day of
	,	•		
			•	
			•	
		~.		
	· ·	Sign:		
	J	Name: <del>Paul</del> Ju-s H 03/31/2017 ASSIGN		•
•				
,			•	•
Date:				
	·			
United States of Ar	merica	)		
State of		) ss.:		
County of		)		
		· .		
On this	day of	3		, before me
personally came		/2017 Paul Ju-sung Hi	ıno	, to me known to
described in and w		foregoing instrument,		<del></del>
of the same.	no executed the	Torogomia manumoni,	wie dollio i io	.604 01100411011
or the same.	ť			
		Notary F	ublic	

ActiveUS 159716684v.1

IN WITNESS V	WHEREOF, I have I	nereunto set my hand and seal	thisday of
	,	•	
		Sign:	
		Name: Andrew Zayac	
		ASSIGNOR	
•			
Date:			
United States of	America	)	
State of		) ss.:	
County of		)	
On this	day of	,	, before me
personally came		Andrew Zayac	, to me known to
described in and	who executed the f	oregoing instrument, and ackn	owledged execution
of the same.			3
		-	
		Notary Public	

		ereunto set my hand and s	eal thisday of
<u>November</u>	<u>r_</u> , <u>2016</u>	•	
	•	M	15 Dunk
		Sign:	/2 Games
		Name: Megan Dueck	
		ASSIGNOR	
Date:			
		· · · · · · · · · · · · · · · · · · ·	
United States of A	merica	)	
State of		) ss.:	
County of	•	)	
On this	dov. of		
personally came	day of	Megan Dueck	, before me
	ho executed the for	regoing instrument, and a	, to me known to
of the same.	no executed the to	regoing instrument, and a	cknowledged execution
	•		
		Notary Public	

#### ASSIGNMENT

WHEREAS, the undersigned, to wit:

Paul Ju-sung HUNG residing at 3436 Rambow Drive, Palo Alto, California 94306; Andrew ZAYAC residing at 908 Burkhart Avenue, San Leandro, California 94579; Megan DUECK residing at 245 San Benito Rd, Ste#A, Brisbane, California 94005.

(hereinafter collectively ASSIGNORS), have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled:

# "MICROFLUIDIC SIPHONING ARRAY FOR NUCLEIC ACID QUANTIFICATION"

(a)	x which is being filed he	erewith in the United States I	Patent and Trademark Office;
(b)	which was filed as U.S	S. Patent Application No.	
	on	• • • • • • • • • • • • • • • • • • •	

AND WHEREAS, Combination (hereinafter ASSIGNEE), a corporation organized and existing under the laws of the Commonwealth/State of California, and having its principal place of business at 3436 Rambow Drive, Palo Alto, California 94306, is desirous of acquiring the entire right, title, and interest in and to said invention and any and all patents that may be obtained therefor, and in and to said application and any and all patents that may issue therefrom;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS do hereby sell, assign, transfer, and set over unto said ASSIGNEE, its successors, assigns, and legal representatives, all right, title, and interest in and to said invention throughout the world, and any and all patents of the United States and foreign countries that may be obtained therefor, including the right to sue for past infringement and obtain past damages, and in and to said application, including any and all non-provisionals, continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom, such right, title, and interest including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in the name of said ASSIGNEE, its successors, assigns, and legal representatives, throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, and all rights to register said invention in appropriate registries;

ASSIGNORS also do hereby covenant that they have the full right to convey the entire right, title, and interest herein assigned, and that they have not and will not execute any agreement in conflict herewith;

ASSIGNORS also do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application, including any continuations, continuations-in-part, divisions,

reissues, re-examinations, substitutions, and extensions thereof, to said ASSIGNEE, its successors, assigns, and legal representatives as the ASSIGNEE of the entire right, title, and interest herein assigned;

ASSIGNORS also do hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to perfect the entire right, title, and interest in said application, including any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom said ASSIGNEE, its successors, assigns, and legal representatives, and generally do everything possible to vest the entire right, title, and interest herein assigned in said ASSIGNEE, its successors, assigns, and legal representatives;

ASSIGNORS also do hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

#### WILMER CUTLER PICKERING HALE AND DORR LLP

All practitioners at Customer Number 23483.		
This ASSIGNMENT is effective as of	-	

ASSIGNEE	hereby acknowledges and accepts the foregoing as	signment.	
The undersig	gned is authorized to act on behalf of ASSIGNEE,	Combinati	Incorporated 74 07/07/2019
Signature:		Date:	November 18 2016
Name:	Ju-Sung Hung		
Title:	President		•

described in and who executed the foregoing instrument, and acknowledged execution

Notary Public

Paul Ju-sung Hung , to me known to

ActiveUS 159716684v.1

personally came

of the same.

IN WITNESS W	HEREOF, I have h	ereunto set my hand and seal this	day of
	*	and the state of t	
		Sign: Name: Andrew Zayac	3-
		ASSIGNOR C	
Date:			
United States of A	America	) ) ss.:	
County of			
On this	day of	, u , bej	fore me
personally came		Andrew Zayac	to me known to
described in and v	who executed the fo	pregoing instrument, and acknowledged of	xecution
of the same.			
		Notary Public	

ActiveUS 159716684v.1

IN WITNESS WH	IEREOF, I have I	nereunto set my hand and seal the	nisday of
		•	
•			
	•		
		Sign:	
		Name:Megan Dueck	
		ASSIGNOR	
			+
		·	
Date:	······································		
** • • • • • • • • • • • • • • • • • •			
United States of Ar	merica	)	
State of		) ss.:	
County of			•
On this	day of		hafara ma
personally came	day 01	Megan Dueck	, before me , to me known to
	ho executed the f	Foregoing instrument, and acknowledge	
of the same.	no executed the r	orogonig manument, and acking	wiedged exceution
		Notary Public	

ActiveUS 159716684v.1

PATENT REEL: 043820 FRAME: 0063