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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
ZACHARY RUSSELL HEINEMAN	10/17/2017
DYLAN HILMER BIRD	10/17/2017
NICHOLAS SCOTT REIMNITZ	10/17/2017
JENS PETER VOGES	10/17/2017
JOHN P. LAIRD	10/17/2017
FONG LIU	10/17/2017

RECEIVING PARTY DATA

Name:	INTEGRATED ROASTING TECHNOLOGIES, INC.
Street Address:	160 14TH STREET
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94103

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16334169

CORRESPONDENCE DATA

Fax Number: (202)842-7899

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: 202-842-7800

zippatentdocketingmailboxus@cooley.com Email: COOLEY LLP, ATTN: PATENT GROUP **Correspondent Name:** 1299 PENNSYLVANIA AVENUE, NW Address Line 1:

Address Line 2: SUITE 700

Address Line 4: WASHINGTON, D.C. 20004

ATTORNEY DOCKET NUMBER:	INRT-001/02US 328711-2005	
NAME OF SUBMITTER:	YUSHAN LUO	
SIGNATURE:	/Yushan Luo/	
DATE SIGNED:	10/01/2019	

Total Attachments: 10 source=INRT-001-02US_Assignment_Executed#page1.tif source=INRT-001-02US_Assignment_Executed#page2.tif source=INRT-001-02US_Assignment_Executed#page3.tif source=INRT-001-02US_Assignment_Executed#page4.tif source=INRT-001-02US_Assignment_Executed#page5.tif source=INRT-001-02US_Assignment_Executed#page6.tif source=INRT-001-02US_Assignment_Executed#page7.tif source=INRT-001-02US_Assignment_Executed#page8.tif source=INRT-001-02US_Assignment_Executed#page9.tif source=INRT-001-02US_Assignment_Executed#page9.tif source=INRT-001-02US_Assignment_Executed#page10.tif

ASSIGNMENT

Zachary Russell HEINEMAN, residing at 4420 Bridgeview Drive, Oakland, CA 94602 Dylan Hilmer BIRD, residing at 2030 Vallejo Street, Apt. 103, San Francisco, CA 94123

Nicholas Scott REIMNITZ, residing at 340 Fillmore Street, Apt. 4, San Francisco, CA 94117

Jens Peter VOGES, residing at 1735 Vistazo Street W., Tiburon, CA 94920 Fong LIU, residing at 368 Elm Street, Unit 203, San Francisco, CA 94102 John P. LAIRD, residing at 41 Glashaus Loop, Emeryville, CA 94608

(each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled **SYSTEMS, APPARATUSES**,

AND METHODS OF SUBSTANCE PROCESSING, and which is a:

(1)	provisional application (a) to be filed herewith; or (b) bearing Application No., and filed on;
(2)	non-provisional application (a) to be filed herewith; or (b) bearing Application No., and filed on; and/or
(3)	 \(\sum_{\text{PCT}} \) PCT application (a) \(\sum_{\text{D}} \) bearing Application No. \(\frac{PCT/US2017/052085}{0.00000000000000000000000000000000000

WHEREAS, INTEGRATED ROASTING TECHNOLOGIES, INC., a corporation having its principal place of business at 160 14th Street, San Francisco, CA 94103 its successors, legal representatives and assigns, (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

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- (a) the Invention(s);
- (b) the application(s) for patent identified above;
- (c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;
- (d) any application(s) for patent of the United States or other countries claiming the Invention(s);
- (e) any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, at least one of the application(s) for patent identified above or any application(s) for patent claiming the Invention(s), including any substitute application(s), division(s), continuation(s), and continuation(s)-in-part;
- (f) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent identified in the preceding paragraphs (b)-(e) and of any and all patent(s) granted based thereon in the United States and in all other countries; and
- (g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

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The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application(s) identified above when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

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State of Colinoraise County of Son Froncisco ss.	
On Delaker 17, 2017, before me, on Notary Public, personally appeared Zachary	<u>Mexondru Cuvau , . 1 Russell Heineman , </u>
who proved to me on the basis of satisfactory evname(x) (s/are subscribed to the within instrume	vidence, to be the person(s) whose ent and acknowledged to me that
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REQUIRED SENTENCE IF NOTARIZED IN PENALTY OF PERJURY under the laws of the St	*
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Signature of Notary Public	Place Notary Seal Above
My Commission Expires: 01. 02. 2018	

Attorney Docket No. INRT-001/01WO 328711-2002 Intl. Appl. No.: PCT/US2017/052085; Filed: September 18, 2017 Page 5 of 10

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State of California	
State of <u>California</u> County of <u>Son Francisco</u> ss.	
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Notary Public, personally appeared Dylam	Hilmen Bird ,
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his/her/their signature(x) on the instrument the per	son(x), or the entity upon behalf of
which the person() acted, executed the instrument.	
REQUIRED SENTENCE IF NOTARIZED IN	CALIFORNIA: I certify under
PENALTY OF PERJURY under the laws of the S	tate of California that the foregoing
paragraph is true and correct.	
WITNESS my hand and official seal.	ALEXANDRU GURAU Z COMM # 2050920 D NOTARY PUBLIC CALIFORNIA
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Signature of Notary Public	Place Notary Seal Above
My Commission Expires: 01.02.2018	

Date: 10/17/2017 By:

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Attorney Docket No. INRT-001/01WO 328711-2002 Intl. Appl. No.: PCT/US2017/052085; Filed: September 18, 2017 Page 6 of 10

Date: 10/17/2017 By: _	NelDeminte
	Nicholas Scott REIMNITZ
A notary public or other officer completing this cert individual who signed the document to which this cert truthfulness, accuracy, or validity of that document.	ificate verifies only the identity of the ertificate is attached, and not the
State of California) ss. County of Say Francisco	
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On Oclober 17, 2017, before me, Notary Public, personally appeared Wichol	as Scott Reimnitz.
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(he/she/they executed the same in (his/her/their a	uthorized capacity(iks), and that by
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which the person(x) acted, executed the instrument.	
REQUIRED SENTENCE IF NOTARIZED IN	N CALIFORNIA: I certify under
PENALTY OF PERJURY under the laws of the	State of California that the foregoing
paragraph is true and correct.	
WITNESS my hand and official seal.	ALEXANDRU GURAU Z COMM # 2050920 UD NOTARY PUBLIC-CRUPONINA UD EAN MATEC COURTY MY COMM EAP JAN 2 2018 I
Signature of Notary Public	Place Notary Seal Above
My Commission Expires: 01-02.2018	

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Attorney Docket No. INRT-001/01WO 328711-2002 Intl. Appl. No.: PCT/US2017/052085; Filed: September 18, 2017 Page 7 of 10

Date: 10 17 17 By: Jens Peter VOGES
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 Colifornia) County of San Francisco.
On Delabor 17, 2017, before me, Mexandru Curan, , Notary Public, personally appeared Jens Pelen Voges.
who proved to me on the basis of satisfactory evidence, to be the person(s) whose
name(s) (share subscribed to the within instrument and acknowledged to me that (ne/she/they executed the same in (nis/her/their authorized capacity(its), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under
PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
WITNESS my hand and official seal. ALEXANDRU GURAU COMM # 2060920 ON MATER COURTY My COMM. Exp. Jan. 2, 2018
Signature of Notary Public Place Notary Seal Above
My Commission Expires: 01.02.2013

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Attorney Docket No. INRT-001/01WO 328711-2002 Intl. Appl. No.: PCT/US2017/052085; Filed: September 18, 2017 Page 9 of 10

My Commission Expires: 01-01. 2018	~
Signature of Notary Public	Place Notary Seal Above
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WITNESS my hand and official seal.	ALEXANDRU GURAU COMM. N 2050920 U NOTARY PUBLIC CALIFORNIA U SAN MATED COUNTY MY COMM. EXP. JAN. 2, 2018 T
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who proved to me on the basis of satisfactory	
On October 17, 2017, before me, Notary Public, personally appeared	In P. Laind.
County of John March 12 3012	Alexandra Com
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State of Culibrain) ss. County of Son Francisco)	
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A notary public or other officer completing this cer individual who signed the document to which this	certificate is attached, and not the

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Attorney Docket No. INRT-001/01WO 328711-2002 Intl. Appl. No.: PCT/US2017/052085; Filed: September 18, 2017 Page 8 of 10

Date: 10/17/17 By:	in At
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A notary public or other officer completing this coundividual who signed the document to which this truthfulness, accuracy, or validity of that document	certificate is attached, and not the
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(he/she/they executed the same in his/her/their	authorized capacity(ies), and that by
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which the person(s) acted, executed the instrumen	t.
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paragraph is true and correct.	
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Signature of Notary Public	Place Notary Seal Above
My Commission Expires: 01.02.20#	

Attorney Docket No. INRT-001/01WO 328711-2002 Intl. Appl. No.: PCT/US2017/052085; Filed: September 18, 2017 Page 10 of 10

Date: 10/17/2017	By: 3 3.1
	Name: Dylaw Bird
	Title: CEO
	Company: Integrated Roasting Technologies, Inc.
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 Colifornia County of Son Froncisco State of Colifornia	
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County of Jan Froncisco	
On <u>Delaber 17, 2017</u> , before me, <u>Mexandra Garaer</u> , Notary Public, personally appeared <u>Dylan Hilmen Bird</u> ,	
Notary Public, personally appeared Dylan Hilmen Bird	
who proved to me on the basis of satisfactory evidence, to be the person(x) whose	
name(X (is/are subscribed to the within instrument and acknowledged to me that	
he/she/they executed the same in his/her/their authorized capacity(les), and that by	
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of	
which the person(x) acted, executed the instrument.	
REQUIRED SENTENCE IF NOT	ARIZED IN CALIFORNIA: I certify under
PENALTY OF PERJURY under the laws of the State of California that the foregoing	
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WITNESS my hand and official seal.	ALEXANDRU GURAU Z COMM. # 2050920 (0 NOTARY PUBLIC-CALHORINA (0 SAN MATEO COUNTY Hr COSM. Exp. Jan. 2, 2018. 7
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RECORDED: 10/01/2019

For and on behalf of ASSIGNEE: