## 505074844 08/31/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5121600

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
NAOYA KUSE	08/01/2018
ANTOINE JEAN GILBERT ROLLAND	08/01/2018
YIHAN LI	08/08/2018
MARTIN E. FERMANN	08/02/2018

## **RECEIVING PARTY DATA**

Name:	IMRA AMERICA, INC.
Street Address:	1044 WOODRIDGE AVENUE
City:	ANN ARBOR
State/Country:	MICHIGAN
Postal Code:	48105

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

Property Type	Number
Application Number:	16038644

## **CORRESPONDENCE DATA**

**Fax Number:** (949)760-9502

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:** 949-760-0404

**Email:** efiling@knobbe.com

Correspondent Name: KNOBBE, MARTENS, OLSON & BEAR, LLP

Address Line 1: 2040 MAIN STREET, 14TH FLOOR

Address Line 4: IRVINE, CALIFORNIA 92614

ATTORNEY DOCKET NUMBER:	IMRAA.072A
NAME OF SUBMITTER:	STEVEN P. RUDEN
SIGNATURE:	/Steven P. Ruden/
DATE SIGNED:	08/31/2018

## **Total Attachments: 4**

source=Assignment-IMRAA072A#page1.tif source=Assignment-IMRAA072A#page2.tif source=Assignment-IMRAA072A#page3.tif

PATENT 505074844 REEL: 046770 FRAME: 0330

source=Assignment-IMRAA072A#page4.tif

PATENT REEL: 046770 FRAME: 0331 Application No.: 16/038,644 Docket Number: IMRAA.072A/IM-486

Filing Date: July 18, 2018 Page 1 of 2
Assignment

#### **ASSIGNMENT**

WHEREAS, **Naoya Kuse**, residing in Longmont, Colorado, **Antoine Jean Gilbert Rolland**, residing in Longmont, Colorado, **Yihan Li**, residing in Boulder, Colorado, and **Martin E. Fermann**, residing in Dexter, Michigan, and, (individuals hereinafter "ASSIGNOR"), invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental design or discoveries related to an **INTEGRATED PHOTONIC MICROWAVE TRANSCEIVER SYSTEM** (collectively hereinafter referred to as the "Work") for which an application for Letters Patent has been filed with the United States Patent and Trademark Office as U.S. Patent Application No. 16/038,644, filed on July 18, 2018 (hereinafter the "Application");

AND WHEREAS, **IMRA America, Inc.**, a Michigan Corporation, having an address at 1044 Woodridge Avenue, Ann Arbor, Michigan 48105 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including:

- all provisional applications relating thereto (such as U.S. Provisional Application No. 62/535,470, filed July 21, 2017 and U.S. Provisional Application No. 62/583,963, filed November 9, 2017);
- all nonprovisional applications claiming priority to any of the aforementioned provisional or foreign applications, and/or the Application, including all divisions, continuations, continuations-in-part, thereof;
- all Letters Patent of the United States which may be granted thereon and all reissues, reexaminations, and extensions thereof; and
- all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof.

AND ASSIGNOR DOES HEREBY authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

PATENT REEL: 046770 FRAME: 0332

Filing Date: July 18, 2018 Page 2 of 2 Assignment AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries. Legal Name of inventor: Naoya Kuse Legal Name of inventor: Antoine Jean Gilbert Rolland Signature: \_\_\_\_\_\_Date: <u>08/01/2018</u> Legal Name of inventor: Yihan Li Signature: \_\_\_\_\_ Date: Legal Name of inventor: Martin E. Fermann

Signature: 12 12 Date: 8,2.2018

28751103

Application No.: 16/038,644

Docket Number: IMRAA.072A/IM-486

Application No.: 16/038,644 Docket Number: IMRAA.072A/IM-486

Filing Date: July 18, 2018 Page 1 of 2
Assignment

#### **ASSIGNMENT**

WHEREAS, **Naoya Kuse**, residing in Longmont, Colorado, **Antoine Jean Gilbert Rolland**, residing in Longmont, Colorado, **Yihan Li**, residing in Boulder, Colorado, and **Martin E. Fermann**, residing in Dexter, Michigan, and, (individuals hereinafter "ASSIGNOR"), invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental design or discoveries related to an **INTEGRATED PHOTONIC MICROWAVE TRANSCEIVER SYSTEM** (collectively hereinafter referred to as the "Work") for which an application for Letters Patent has been filed with the United States Patent and Trademark Office as U.S. Patent Application No. 16/038,644, filed on July 18, 2018 (hereinafter the "Application");

AND WHEREAS, **IMRA America, Inc.**, a Michigan Corporation, having an address at 1044 Woodridge Avenue, Ann Arbor, Michigan 48105 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including:

- all provisional applications relating thereto (such as U.S. Provisional Application No. 62/535,470, filed July 21, 2017 and U.S. Provisional Application No. 62/583,963, filed November 9, 2017);
- all nonprovisional applications claiming priority to any of the aforementioned provisional or foreign applications, and/or the Application, including all divisions, continuations, continuations-in-part, thereof;
- all Letters Patent of the United States which may be granted thereon and all reissues, reexaminations, and extensions thereof; and
- all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof.

AND ASSIGNOR DOES HEREBY authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

PATENT REEL: 046770 FRAME: 0334 Application No.: 16/038,644 Filing Date: July 18, 2018

Docket Number: IMRAA.072A/IM-486

Page 2 of 2 Assignment

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

35 35				
Signature:			Date:	iii
	***************************************		~>>>	THE TO SECURE SECTION AND A SECTION AND ADMINISTRATION ADMINIST
ai kiama né imaminu	Southerine Lane 1900	200 50 S		
ai iasiiis oi illasiiol.	Antoine Jean Gilbert	Holland		
Signature:			Date:	
	***************************************		KIN OUT FOR C	<u></u>
			10 10 20	
			20 20	*
			***************************************	
il Name of Inventor:	Yihan Li		***************************************	
Il Name of Inventor:	55 55	·		
	55 55		Date: <u>0</u>	08-b18
il Name of Inventor:	55 55			-08-201§
	55 55		Date: <u>0</u>	08-218
Signature:				-08-2018
				08-2018

28751103

PATENT REEL: 046770 FRAME: 0335

**RECORDED: 08/31/2018**