

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4612937

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SANDEEP LOUIS D'SOUZA	08/18/2017
VADIM WINEBRAND	08/27/2017
ASHISH HINGER	08/27/2017
PAUL PENCHIN PAN	08/18/2017
MEIR AGASSY	08/21/2017
YIZHAQ ABUDI	08/28/2017
MICAH TIMOTHY LAWRENCE	08/21/2017
JONG SOO KIM	08/21/2017
SHERMAN SEBASTIAN ANTAO	08/22/2017
BO-REN WANG	08/21/2017
MASOUD ROHAM	08/20/2017
LENNART KARL MATHE	09/18/2017
NATHAN FELIX ALTMAN	08/21/2017
SURYAPRAKASH GANTI	09/05/2017
DAVID WILLIAM BURNS	09/05/2017

RECEIVING PARTY DATA

Name:	QUALCOMM INCORPORATED
Street Address:	5775 MOREHOUSE DRIVE
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121-1714

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15633164

CORRESPONDENCE DATA

Fax Number: (510)663-0920

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: (510) 663-1100

Email: harmstrong@wavsip.com
Correspondent Name: WEAVER AUSTIN VILLENEUVE & SAMPSON, LLP
Address Line 1: 555 12TH STREET
Address Line 2: SUITE 1700
Address Line 4: OAKLAND, CALIFORNIA 94607

ATTORNEY DOCKET NUMBER: QUALP447US/163494

NAME OF SUBMITTER: JOHN F. GRIFFITH

SIGNATURE: /John F Griffith/

DATE SIGNED: 09/26/2017

Total Attachments: 16

source=163494_QUALP447US_Assignment_executed#page1.tif
source=163494_QUALP447US_Assignment_executed#page2.tif
source=163494_QUALP447US_Assignment_executed#page3.tif
source=163494_QUALP447US_Assignment_executed#page4.tif
source=163494_QUALP447US_Assignment_executed#page5.tif
source=163494_QUALP447US_Assignment_executed#page6.tif
source=163494_QUALP447US_Assignment_executed#page7.tif
source=163494_QUALP447US_Assignment_executed#page8.tif
source=163494_QUALP447US_Assignment_executed#page9.tif
source=163494_QUALP447US_Assignment_executed#page10.tif
source=163494_QUALP447US_Assignment_executed#page11.tif
source=163494_QUALP447US_Assignment_executed#page12.tif
source=163494_QUALP447US_Assignment_executed#page13.tif
source=163494_QUALP447US_Assignment_executed#page14.tif
source=163494_QUALP447US_Assignment_executed#page15.tif
source=163494_QUALP447US_Assignment_executed#page16.tif

ASSIGNMENT

WHEREAS, WE,

1. **Sandeep Louis D'SOUZA**, a citizen of the **United States of America**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **San Diego, CA**,
2. **Vadim WINEBRAND**, a citizen of **Israel**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **San Diego, CA**,
3. **Ashish HINGER**, a citizen of **India**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **Sunnyvale, CA**,
4. **Paul Penchin PAN**, a citizen of the **United States of America**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **San Diego, CA**,
5. **Meir AGASSY**, a citizen of **Israel**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **Ramat Gan, ISRAEL**,
6. **Yizhaq ABUDI**, a citizen of **Israel**, having a mailing address located at **51 Tel Zur Street, Even Yehuda 40500, Israel**, and a resident of **Even Yehuda, ISRAEL**,
7. **Micah Timothy LAWRENCE**, a citizen of the **United States of America**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **San Diego, CA**,
8. **Jong Soo KIM**, a citizen of the **Republic of Korea**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **San Diego, CA**,
9. **Sherman Sebastian ANTAO**, a citizen of **Canada**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **San Diego, CA**,
10. **Bo-Ren WANG**, a citizen of **Taiwan**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **San Diego, CA**,
11. **Masoud ROHAM**, a citizen of the **United States of America**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **San Diego, CA**,
12. **Lennart Karl MATHE**, a citizen of **Sweden**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **San Diego, CA**,
13. **Nathan Felix ALTMAN**, a citizen of **Israel**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **San Diego, CA**,

14. **Suryaprakash GANTI**, a citizen of the **United States of America**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **Los Altos, CA**,

15. **David William Burns**, a citizen of the **United States of America**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **San Jose, CA**,

have conceived of one or more processes, methods, machines, articles of manufacture, designs, compositions of matter, inventions, discoveries or new or useful improvements relating to **HYBRID CAPACITIVE AND ULTRASONIC SENSING** (collectively the **"INVENTIONS"**)

for which WE have executed and/or may execute one or more patent applications therefor; and

WHEREAS, **QUALCOMM Incorporated** (hereinafter **"ASSIGNEE"**), a Delaware corporation, having a place of business at **5775 Morehouse Drive, San Diego, California 92121-1714, U.S.A.**, desires to acquire or otherwise obtain the entire right, title, and interest in and to said **INVENTIONS**, including all inventions related thereto or thereof, all patent applications therefor, and all patents that have granted or may be granted hereafter thereon, including but not limited to those identified below.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, WE do hereby acknowledge that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto **ASSIGNEE**, its successors, its legal representatives, and its assigns, the entire right, title, and interest throughout the world in and to said **INVENTIONS**, including all patent applications therefor that may have been filed or may be filed hereafter for said **INVENTIONS** in the United States, including but not limited to U.S. Application No(s). **15/633,164**_filed **June 26, 2017**, Qualcomm Reference No. **163494**, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). **62/407,386**, filed **October 12, 2016**, Qualcomm Reference No. **163494P1**, (and do hereby authorize **ASSIGNEE** and its representative to hereafter add herein such application number(s) and/or filing date(s) when known), and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents of the United States which may have granted or may be granted hereafter thereon and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon in the United States;


AND WE further do acknowledge and agree that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto **ASSIGNEE**, its successors, its legal representatives, and its assigns, all rights of priority under International Conventions, Treaties, or Agreements, and the entire right, title, and interest throughout the world in said **INVENTIONS**, including all inventions related thereto or thereof, and all patent applications therefor that may have been filed or may be filed hereafter for said **INVENTIONS** in any foreign country, countries, or treaty/union organizations, and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, patent of addition applications, confirmation applications, validation applications, utility model applications, and design applications thereof, and all issued patents which may have granted or may be granted hereafter for said **INVENTIONS** in any country or countries foreign to the United States, and all reissues, renewals, reexaminations, and extensions thereof;

AND WE DO 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 or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which WE may be entitled, or that WE may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;

AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at <u>SAN DIEGO</u> , on <u>August 18th, 2017</u>	
LOCATION DATE	Sandeep Louis D'SOUZA
Done at _____, on _____	_____
LOCATION DATE	Vadim WINEBRAND
Done at _____, on _____	_____
LOCATION DATE	Ashish HINGER
Done at _____, on _____	_____
LOCATION DATE	Paul Penchin PAN
Done at _____, on _____	_____
LOCATION DATE	Meir AGASSY
Done at _____, on _____	_____
LOCATION DATE	Yizhaq ABUDI
Done at _____, on _____	_____
LOCATION DATE	Micah Timothy LAWRENCE

AND WE DO 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 or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which WE may be entitled, or that WE may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;

AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.


Done at _____, on _____ LOCATION DATE	_____ Sandeep Louis D'SOUZA
Done at <u>San Diego</u> , on <u>08/22/2012</u> LOCATION DATE	_____ Vadim WINEBRAND
Done at _____, on _____ LOCATION DATE	_____ Ashish HINGER
Done at _____, on _____ LOCATION DATE	_____ Paul Penchin PAN
Done at _____, on _____ LOCATION DATE	_____ Meir AGASSY
Done at _____, on _____ LOCATION DATE	_____ Yizhaq ABUDI
Done at _____, on _____ LOCATION DATE	_____ Micah Timothy LAWRENCE

AND WE DO 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 or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which WE may be entitled, or that WE may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;

AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at _____, on _____ LOCATION DATE	_____
	Sandeep Louis D'SOUZA
Done at _____, on _____ LOCATION DATE	_____
	Vadim WINEBRAND
Done at <u>Santa Clara, CA</u> , on <u>August 29, 2017</u> LOCATION DATE	 _____
	Ashish HINGER
Done at _____, on _____ LOCATION DATE	_____
	Paul Penchin PAN
Done at _____, on _____ LOCATION DATE	_____
	Meir AGASSY
Done at _____, on _____ LOCATION DATE	_____
	Yizhaq ABUDI
Done at _____, on _____ LOCATION DATE	_____
	Micah Timothy LAWRENCE

AND WE DO 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 or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which WE may be entitled, or that WE may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;


AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at _____, on _____
LOCATION DATE Sandeep Louis D'SOUZA

Done at _____, on _____
LOCATION DATE Vadim WINEBRAND

Done at _____, on _____
LOCATION DATE Ashish HINGER

Done at San Diego, on August 16, 2017
LOCATION DATE 
Paul Penchin PAN

Done at _____, on _____
LOCATION DATE Meir AGASSY

Done at _____, on _____
LOCATION DATE Yizhaq ABUDI

Done at _____, on _____
LOCATION DATE Micah Timothy LAWRENCE

AND WE DO 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 or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which WE may be entitled, or that WE may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;

AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at _____, on _____
LOCATION DATE Sandeep Louis D'SOUZA

Done at _____, on _____
LOCATION DATE Vadim WINEBRAND

Done at _____, on _____
LOCATION DATE Ashish HINGER

Done at _____, on _____
LOCATION DATE Paul Penchin PAN

Done at Hol Hasharon, on Aug. 21st 2017
LOCATION DATE Meir AGASSY

Done at _____, on _____
LOCATION DATE Yizhaq ABUDI

Done at _____, on _____
LOCATION DATE Micah Timothy LAWRENCE

AND WE DO 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 or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which WE may be entitled, or that WE may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;

AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at _____, on _____
LOCATION DATE

Sandeep Louis D'SOUZA

Done at _____, on _____
LOCATION DATE

Vadim WINEBRAND

Done at _____, on _____
LOCATION DATE

Ashish HINGER

Done at _____, on _____
LOCATION DATE

Paul Penchin FAN

Done at _____, on _____
LOCATION DATE

Meir AGASSY

Done at EVEN YEMDA, on 28/8/17
LOCATION DATE

Yizhaq ABUDI

Done at _____, on _____
LOCATION DATE


Micah Timothy LAWRENCE

AND WE DO 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 or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which WE may be entitled, or that WE may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;


AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at _____, on _____ LOCATION DATE	_____ Sandeep Louis D'SOUZA
Done at _____, on _____ LOCATION DATE	_____ Vadim WINEBRAND
Done at _____, on _____ LOCATION DATE	_____ Ashish HINGER
Done at _____, on _____ LOCATION DATE	_____ Paul Penchin PAN
Done at _____, on _____ LOCATION DATE	_____ Meir AGASSY
Done at _____, on _____ LOCATION DATE	_____ Yizhaq ABUDI
Done at <u>San Diego, CA</u> , on <u>8/21/17</u> LOCATION DATE	 _____ Micah Timothy LAWRENCE

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at San Diego, on 8/21/2017
LOCATION DATE


Jong Soo KIM

Done at _____, on _____
LOCATION DATE

Sherman Sebastian ANTAO

Done at _____, on _____
LOCATION DATE

Bo-Ren WANG

Done at _____, on _____
LOCATION DATE

Masoud ROHAM

Done at _____, on _____
LOCATION DATE

Lennart Karl MATHE

Done at _____, on _____
LOCATION DATE

Nathan Felix ALTMAN

Done at _____, on _____
LOCATION DATE

Suryaprakash GANTI

Done at _____, on _____
LOCATION DATE

David William BURNS

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at _____, on _____
LOCATION DATE

Done at SAN DIEGO, CA, on 8/22/2017
LOCATION DATE

Done at _____, on _____
LOCATION DATE

Done at _____, on _____
LOCATION DATE

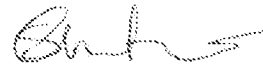
Done at _____, on _____
LOCATION DATE

Done at _____, on _____
LOCATION DATE

Done at _____, on _____
LOCATION DATE

Done at _____, on _____
LOCATION DATE

Jong Soo KIM



Sherman Sebastian ANTAO

Bo-Ren WANG

Masoud ROHAM

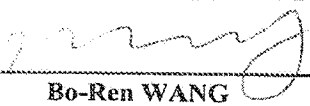
Lennart Karl MATHE

Nathan Felix ALTMAN

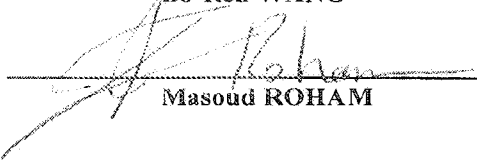
Suryaprakash GANTI

David William BURNS

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at _____, on _____ LOCATION DATE	_____ Jong Soo KIM
Done at _____, on _____ LOCATION DATE	_____ Sherman Sebastian ANTAO
Done at <u>San Diego, CA</u> , on <u>8/21/2017</u> LOCATION DATE	 Bo-Ren WANG
Done at _____, on _____ LOCATION DATE	_____ Masoud ROHAM
Done at _____, on _____ LOCATION DATE	_____ Lennart Karl MATHE
Done at _____, on _____ LOCATION DATE	_____ Nathan Felix ALTMAN
Done at _____, on _____ LOCATION DATE	_____ Suryaprakash GANTI
Done at _____, on _____ LOCATION DATE	_____ David William BURNS

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at _____, on _____ LOCATION DATE	_____ Jong Soo KIM
Done at _____, on _____ LOCATION DATE	_____ Sherman Sebastian ANTAO
Done at _____, on _____ LOCATION DATE	_____ Bo-Ren WANG
Done at <u>San Diego, CA</u> , on <u>8/20/2017</u> LOCATION DATE	 _____ Masoud ROHAM
Done at _____, on _____ LOCATION DATE	_____ Lennart Karl MATHE
Done at _____, on _____ LOCATION DATE	_____ Nathan Felix ALTMAN
Done at _____, on _____ LOCATION DATE	_____ Suryaprakash GANTI
Done at _____, on _____ LOCATION DATE	_____ David William BURNS

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at _____, on _____
LOCATION DATE Jong Soo KIM

Done at _____, on _____
LOCATION DATE Sherman Sebastian ANTAO

Done at _____, on _____
LOCATION DATE Bo-Ren WANG

Done at _____, on _____
LOCATION DATE Masoud ROHAM

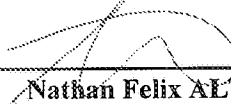
Done at San Diego, on 9/18/2017
LOCATION DATE Lennart Karl Mathe
Lennart Karl MATHE

Done at _____, on _____
LOCATION DATE Nathan Felix ALTMAN

Done at _____, on _____
LOCATION DATE Suryaprakash GANTI

Done at _____, on _____
LOCATION DATE David William BURNS

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at _____, on _____ LOCATION DATE	_____ Jong Soo KIM
Done at _____, on _____ LOCATION DATE	_____ Sherman Sebastian ANTAO
Done at _____, on _____ LOCATION DATE	_____ Bo-Ren WANG
Done at _____, on _____ LOCATION DATE	_____ Masoud ROHAM
Done at _____, on _____ LOCATION DATE	_____ Lennart Karl MATHE
Done at <u>SAN DIEGO, CA</u> , on <u>8/21/2014</u> LOCATION DATE	 _____ Nathan Felix ALTMAN
Done at _____, on _____ LOCATION DATE	_____ Suryaprakash GANTI
Done at _____, on _____ LOCATION DATE	_____ David William BURNS

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at _____, on _____
LOCATION DATE
Jong Soo KIM

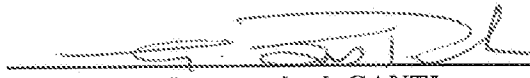
Done at _____, on _____
LOCATION DATE
Sherman Sebastian ANTAO


Done at _____, on _____
LOCATION DATE
Bo-Ren WANG

Done at _____, on _____
LOCATION DATE
Masoud ROHAM

Done at _____, on _____
LOCATION DATE
Lennart Karl MATHE

Done at _____, on _____
LOCATION DATE
Nathan Felix ALTMAN

Done at Santa Clara, CA, on 9/5/2017
LOCATION DATE

Suryaprakash GANTI

Done at Santa Clara, CA, on 9/5/2017
LOCATION DATE

David William BURNS