505038173 08/06/2018

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| ZHIWEI A. XU | 06/24/2018 |
| YEN-CHENG KUAN | 03/24/2018 |
| CYNTHIA D. BARINGER | 06/05/2018 |
| HASAN SHARIFI | 03/26/2018 |
| JAMES CHINGWEI LI | 06/11/2018 |
| DONALD A. HITKO | 04/16/2018 |

RECEIVING PARTY DATA

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| State/Country: | CALIFORNIA | |
| Postal Code: | 90265-4799 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15828106 |

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NAME OF SUBMITTER: LAURENT P. LUSINCHI

SIGNATURE: /Laurent P. Lusinchi 75059/

DATE SIGNED: 08/06/2018

Total Attachments: 6

PATENT REEL: 046565 FRAME: 0053

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PATENT REEL: 046565 FRAME: 0054

ASSIGNMENT

| WHEREAS: Residing at: | Zhiwei A. Xu 3646 Ramita Terrace Davis, CA 95618 USA |
|------------------------------|---|
| WHEREAS: Residing at: | Yen-Cheng Kuan 114 Rose Ave; #202 Examples, CA 90034-USA Irvine, CA 92618 |
| WHEREAS: Residing at: | Cynthia D. Baringer 133 Woodland Way Piedmont, CA 94611 USA |
| WHEREAS: Residing at: | Hasan Sharifi 6302 Acadia Ave. Agoura Hills, CA 91301 USA |
| WHEREAS: Residing at: | James Chingwei Li 160 Harpstone Ln. Simi Valley, CA 93065 USA |
| WHEREAS: Residing at: | Donald A. Hitko 950 Rose Court Grover Beach, CA 93433 USA |
| (hereinafter ref | erred to as ASSIGNORS), have invented and own a certain invention entitled: |
| "AN INTERLE | EAVED SIGMA DELTA MODUATOR BASED SDR TRANSMITTER" |
| for which appli apply(*)] | cation for Letters Patent of the United States will be assigned [check all that |
| (a) U.S. | provisional patent application number: filed on |
| (b) <u>X</u> U.S. | patent application number: 15/828,106, filed on November 30, 2017, |
| (c) U.S. | Patent Number:, filed on |
| (d)U.S. | PCT Number filed on |
| WHEREAS: H | RL Laboratories, LLC |
| | sility Company formed under the laws of the State of Delaware, United States of g its principal place of business at: |

3011 Malibu Canyon Road Malibu, California 90265-4799

Page 1 of 3

ASSIGNMENT

| WHEREAS: Residing at: | Zhiwei A. Xu 3662 Moore Street Los Angeles, CA 90066 USA | |
|-----------------------------|--|---------------------------------------|
| WHEREAS: Residing at: | Yen-Cheng Kuan 114 Rose Ave., #202 Los Angeles, CA 90034 USA | |
| WHEREAS: Residing at: | Cynthia D. Baringer 133 Woodland Way Piedmont, CA 94611 USA | |
| WHEREAS: Residing at: | Hasan Sharifi 6302 Acadia Ave. Agoura Hills, CA 91301 USA | |
| WHEREAS: Residing at: | James Chingwei Li 160 Harpstone Ln. Simi Valley, CA 93065 USA | |
| WHEREAS: Residing at: | Donald A. Hitko 050 Rose Court 3570 Grover Besch, CA-03433 USA OLIVEY | JOHN CARPOLL DR. |
| (hereinafter ret | ferred to as ASSIGNORS), have invented and | own a certain invention entitled: |
| "AN INTERL | EAVED SIGMA DELTA MODUATOR BA | SED SDR TRANSMITTER" |
| for which appl apply(*)] | lication for Letters Patent of the United States | will be assigned [check all that |
| (a) U.S | S. provisional patent application number: | filed on |
| (b) <u>X</u> U.S | 5. patent application number: 15/828,106, filed | on November 30, 2017, |
| (c) U.S | S. Patent Number: | filed on |
| (d)U.S | S. PCT Numberfi | led ons |
| WHEREAS: I | HRL Laboratories, LLC | |
| | ability Company formed under the laws of thing its principal place of business at: | e State of Delaware, United States of |

3011 Malibu Canyon Road Malibu, California 90265-4799

Page 1 of 3

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained for said invention in the United States and in any and all foreign countries,

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that ASSIGNORS, for good and valuable consideration, hereby sell, assign and transfer to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries, including the right to claim priority under any applicable provisions of the International Convention and the Patent Cooperation Treaty, and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries and any conversion, continuation, continuation-in-part, division, renewal, substitute and reissue thereof for the full term or terms for which the same may be granted.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention, assignments related to said application and said invention, and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

(*)ASSIGNORS, hereby authorize and request the Attorney named in the Declaration and/or Power of Attorney executed for this invention, or the Attorney filing a patent application for this invention to insert the filing date and application number in this assignment document for the invention noted herein.

This Assignment is to be interpreted under and governed by the laws of the State of California, in the United States of America. The parties agree that disputes, if any, arising under this Assignment shall be submitted to the courts of the State of California and expressly submit to the jurisdiction of and agree to accept service of process of the courts of the State of California in connection with any action in such courts to resolve any dispute arising hereunder.

| Subscribe | d and ex | ecuted at | DAVIS, | CALIFORN | AII | |
|-----------|----------|-----------|-------------|----------|-----|------|
| on | JUNE | 24th | | , 2018. | * | |
| | | Invento | or: Zhiw | | -M/ | y Ja |

| Subscribed : | and executed atIrv | ine, CA | |
|--------------|--------------------|--|-------------|
| on | March 24 | ,2018. | |
| | Inventor: | Lencheng Ruan. Yen-Cheng Kuan | |
| ubscribed : | and executed at | | |
| on | | , 2018. | |
| | Inventor: | Cynthia D. Baringer | |
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| | Inventor: | Hasan Sharifi | |
| subscribed a | and executed at | | |
| on | | , 2018. | |
| | | James Chingwei Li | |
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| Inventor: | Donald A. Hitko | | |
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| on | | , 2018. | |
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Page 3 of 3

| Subscribed at | nd executed at | | |
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| on | | | |
| | Inventor: | Yen-Cheng Kuan | ••••• |
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| on | APRIL 16 | , 2018. | |
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HRL Ref: 131280

Our Ref: B-8794 630274-3

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| on | , 2018. |
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| Inventor: | Hasan Shariti |
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| Inventor: | - A. Charles |
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| on | |
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