

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KYUNG-AH SON	05/31/2019
JEONG-SUN MOON	05/30/2019
RYAN G. QUARFOTH	05/30/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HRL LABORATORIES, LLC
<b>Street Address:</b>	3011 MALIBU CANYON ROAD
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<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	90265-4797
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	62641249
<b>Application Number:</b>	16296049
<b>PCT Number:</b>	US2019021233
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<b>ATTORNEY DOCKET NUMBER:</b>	631408-3
<b>NAME OF SUBMITTER:</b>	MAVIS GALLENSON
<b>SIGNATURE:</b>	/Mavis Gallenson 32,464/
<b>DATE SIGNED:</b>	07/04/2019
<b>Total Attachments: 3</b>	
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ASSIGNMENT

WHEREAS: Kyung-Ah SON  
Residing at: 14217 Shawnee Ct.  
Moorpark, CA 93021

WHEREAS: Jeong-Sun MOON  
Residing at: 14217 Shawnee Ct  
Moorpark, CA 93021

WHEREAS: Ryan G. QUARFOTH  
Residing at: 233 S. Barrington Ave. Apt 209  
Los Angeles, CA 90049

(hereinafter referred to as ASSIGNORS), have invented inventions (hereinafter referred to as INVENTION) disclosed at least in part in the following list for which applications for Letters Patent of the United States and for which applications for foreign patents are being made.

U.S. provisional patent application number: 62/641,249 filed on March 9, 2018, and entitled E-FIELD TUNABLE NICKELATE-BASED ELECTRO-OPTIC DEVICES;

U.S. patent application number: 16/296,049, filed on March 7, 2019, and entitled ELECTRICALLY RECONFIGURABLE OPTICAL APPARATUS USING ELECTRIC FIELD;

U.S. Patent Number: \_\_\_\_\_, filed on \_\_\_\_\_, and entitled \_\_\_\_\_;

U.S. PCT Number PCT/US2019/021233 filed on March 7, 2019, and entitled ELECTRICALLY RECONFIGURABLE OPTICAL APPARATUS USING ELECTRIC FIELD.

WHEREAS: **HRL Laboratories, LLC**

a Limited Liability Company formed under the laws of the State of Delaware, United States of America, having its principal place of business at:

3011 Malibu Canyon Road  
Malibu, California 90265-4797

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in, to and under said INVENTION and in, to and under Letters Patent and 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, the right to seek relief and recover all damages present and past for infringement of said INVENTION, and to all Letters Patent and 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 applications, patents, said INVENTION, assignments related to said applications, patents, and said INVENTION, and said Letters Patent and legal equivalents in the United States and in foreign countries for said INVENTION 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 and affidavits required to apply for, obtain, maintain, issue and enforce said applications, patents, said INVENTION, and said Letters Patent and said equivalents thereof in any foreign country.

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 said INVENTION to insert the filing dates, titles, application numbers and patent numbers in this assignment for said INVENTION.

This assignment is to be interpreted under and governed by the laws of the State of California, in the United States of America, without regard to conflicts of law provisions. The exclusive jurisdiction for a legal proceeding regarding this assignment shall be in the State or Federal courts of California, and ASSIGNORS and ASSIGNEE expressly agree that jurisdiction and venue are proper in these courts and expressly submit to the jurisdiction of and agree to accept service of process of these courts in connection with any action in such courts to resolve any dispute arising hereunder.

ASSIGNORS and ASSIGNEE hereby irrevocably waive and agree not to assert in any suit, action, or proceeding, any claim that it is not personally subject to the jurisdiction of any such court, that such suit, action, or proceeding is brought in an inconvenient forum or that the venue of such suit, action or proceeding is improper. Each party hereby irrevocably waives personal service of process and consents to process being served in any such suit, action or proceeding by mailing a copy thereof (certified or registered mail, return receipt requested, or any foreign equivalent of such mail service if the address in effect for notices is in a foreign country or territory) to such party at the address in effect for notices to it under this assignment and agrees that such service shall constitute good and sufficient service of process and notice thereof. Nothing contained herein shall be deemed to limit in any way any right to serve process in any manner permitted by law.

ASSIGNORS agree not to take any action, or to assist or request any third party in challenging or opposing ASSIGNEE's rights granted hereunder. ASSIGNORS further acknowledge that

ASSIGNEE's patent counsel does not represent ASSIGNORS personally and acknowledge that  
ASSIGNORS have the right to seek independent counsel.

Subscribed and executed at Malibu, CA

on May 31, 2019.

Inventor:

Kyung-Ah SON

Subscribed and executed at Malibu, CA

on May 30, 2019.

Inventor:

Jeong-Sun MOON

Subscribed and executed at Malibu, CA

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Inventor:

Ryan G. QUAREFOTH

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on May 31, 2019.

Assignee:

George R. Rapacki  
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