PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEONG-SUN MOON	05/14/2018
HWA CHANG SEO	05/09/2018
KYUNG-AH SON	06/05/2018
KANGMU LEE	06/05/2018

RECEIVING PARTY DATA

Name: HRL LABORATORIES, LLC		
Street Address:	3011 MALIBU CANYON ROAD	
City:	MALIBU	
State/Country:	CALIFORNIA	
Postal Code:	90265-4799	

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	62518434
Application Number:	62518438
Application Number:	15949913
Application Number:	17512562

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	LAURENT P. LUSINCHI
SIGNATURE:	/Laurent P. Lusinchi 75,059/
DATE SIGNED:	03/16/2023

PATENT REEL: 063007 FRAME: 0538

Total Attachments: 3

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PATENT REEL: 063007 FRAME: 0539

HRL Ref: 161266

Our Ref: B-9080 630803-2

<u>ASSIGNMENT</u>

WHEREAS: Jeong-Sun Moon Residing at: 14217 Shawnee Ct.

Moorpark, CA 93021 USA

WHEREAS: Hwa Chang Seo

Residing at: 2300 Maple Ave. #182

Torrance, CA 90503

WHEREAS: Kyung-Ah Son Residing at: 14217 Shawnee Ct.

Moorpark, CA 93021 USA

WHEREAS: Kangmu Lee

Residing at: 6020 Seabluff Drive, Unit 428

Playa Vista, CA 90094

(hereinafter referred to as ASSIGNORS), have invented and own a certain invention entitled:

"SPATIAL LIGHT MODULATOR USING PHASE-CHANGE MATERIALS WITH IMPROVED FILL FACTOR"

for which application for Letters Patent of the United States will be assigned [check all that apply(*)]

(a	()	ΧI	J.S. 1	provisional	patent	applica	tion r	number:	62/518	.434	filed o	n Jun	e 12.	2017	
1										,			,		

(b) X U.S. provisional patent application number: 62/518,438 filed on June 12, 2017,

(d)	<u>X</u>	U.S. patent	application number:	15/949,913	filed on	April	10, 2	018,
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(e)	 U.S. Patent Number:	 , filed	on	

1	+)	U.S. PCT Number	filed on .
*	23	O.B. I CI I WILLOUI	IIIOG OII

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 90265-4799

(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,

REEL: 063007 FRAME: 0540

HRL Ref: 1612

Our Ref: B-9080 630803-2

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.

Subscribed and executed at	Malibu, A
on5-14-2018	, 2018.
Inventor:	Wo-/22
	Jeong-Sun Mogn
Subscribed and executed at	Mallan, cA
on	<u>7</u> , 2018.
Inventor:	244G
	Hwa-Chang Sey
	\mathcal{A}

HRL Ref: 1612**6&**Our Ref: B-9080 630803-2

Subscribed and executed at	Malibu, CA
on June t	, 2018.
Inventor:	Kyung-Ahson Malibu, CA
Subscribed and executed at	Malibu, CA
on June 5	, 2018.
Inventor:	Kangmu Lee
Subscribed and executed at	Malibu CA
on <u>June</u> 11	, 2018.
Assignee:	HRL Laboratories, LLC George R. Rapacki

REEL: 063007 FRAME: 0542