505050116 08/14/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5096870

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ			
		Name	Execution Date	
SOPHIA S. YANG			10/14/2016	
ALAN J. JACOBSEN			10/11/2016	
JOANNA A. KOLODZIE	JSKA		10/13/2016	
ROBERT E. DOTY			10/13/2016	
WILLIAM CARTER			10/19/2016	
JACOB M. HUNDLEY			10/05/2016	
RECEIVING PARTY DA	ATA			
Name:	HRL L	HRL LABORATORIES, LLC		
Street Address:	3011 N	MALIBU CANYON ROAD		
City:	MALIB	MALIBU		
	_	CALIFORNIA		
State/Country:	CALIF	ORNIA		
Postal Code:	90265			
Postal Code: PROPERTY NUMBERS	90265			
Postal Code: PROPERTY NUMBERS Property Type	90265	1		
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I/we, the undersigned, SOPHIA S. YANG, ALAN J. JACOBSEN, JOANNA A. KOLODZIEJSKA, ROBERT E. DOTY, WILLIAM CARTER, AND JACOB M. HUNDLEY ("Assignor(s)"), have made certain inventions or discoveries (or both) set forth in a patent application (the "Subject Application") entitled BOTTOM UP APPARATUS DESIGN FOR FORMATION OF SELF-PROPAGATING PHOTOPOLYMER WAVEGUIDES, identified as Attorney Docket No. 082068 (160202). The Subject Application was filed on October 24, 2016 and assigned Application No. 15/333,117 In the event that the execution date, a filing date and/or an Application No. are not entered or are incorrect at the time Assignor(s) executed this document, Assignor(s) hereby authorize and request an attorney of Assignee to insert the information or make the correction.

HRL LABORATORIES, LLC, is a limited liability company incorporated in Delaware, having a place of business at 3011 Malibu Canyon Road, Malibu, California 90265, which, together with its successors and assigns ("Assignee"), is desirous of acquiring the title, rights, benefits and privileges hereinafter recited.

For valuable consideration furnished by Assignee to Assignor(s), receipt and sufficiency of which Assignor(s) hereby acknowledge, Assignor(s) hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, the Subject Application, any and all other patent applications (including without limitation utility models, other provisionals, designs, plants and any other such intellectual property) on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent and any provisional applications from which priority is claimed in said patent applications and said Letters Patent and all rights to claim or sue for prior damages;

2. Authorize Assignee to file said applications in any or all countries on any or all of said inventions and discoveries in the name of Assignor(s) or in the name of Assignee or otherwise as Assignee may deem advisable, under any international conventions, international treaties, or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Confirm that Assignor(s) have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and

5. Bind heirs, legal representatives and assigns of Assignor(s), as well as Assignor(s), to do, upon Assignee's request, all acts reasonable to assure that said inventions

PATENT ASSIGNMENT AND DECLARATION

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Assignor(s) accept the terms of this Assignment as indicated by their signature below.

Further, each Assignor individually, as a named inventor, hereby declares:

- a) The Subject Application was made or authorized to be made by me;
- b) I believe I am the original inventor or an original joint inventor of a claimed invention in the Subject Application; and
- c) I hereby acknowledge that any willful false statement made in this declaration is punishable under § 1001 of Title 18 of the United States Code by fine or imprisonment of not more than five (5) years, or both.

Each Assignor individually, as a named inventor, also states:

I have reviewed and understand the contents of the Subject Application.

I acknowledge the duty to disclose to the United States Patent Office all information known to me to be material to the patentability of the Subject Application.

[Signatures on following page(s)]

PATENT ASSIGNMENT AND DECLARATION

IN TESTIMONY WHEREOF, I hereunto set my hand this ______ day of ______ 2016. ******* IN TESTIMONY WHEREOF, I hereunto set my hand this _____ day of _____ 2016. Alan J. Jacobsen ***** IN TESTIMONY WHEREOF, I hereunto set my hand this _____ day of _____, 20____. Joanna A. Kolodziejska ***** IN TESTIMONY WHEREOF, I hereunto set my hand this _____ day of _____ 2016. Robert E. Doty ******* IN TESTIMONY WHEREOF, I hereunto set my hand this _____ day of _____ 20____. William Carter ******

PATENT ASSIGNMENT AND DECLARATION

IN TESTIMONY WHEREOF, I hereunto set my hand this _____ day of ______

Jacob M. Hundley

MWR/mac

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4. Confirm that Assignor(s) have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and

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[Signatures on following page(s)]

PATENT ASSIGNMENT AND DECLARATION

.....

IN TESTIMONY WHEREOF, I hereunto set my hand this _____ day of ______

Sophia S. Yang

IN TESTIMONY WHEREOF, I hereunto set my hand this ______ day of _______ Alan J. Jacobsen ______ IN TESTIMONY WHEREOF, I hereunto set my hand this ______ day of ______ 20_____

IN TESTIMONY WHEREOF, I hereunto set my hand this _____ day of _____

Robert E. Doty

IN TESTIMONY WHEREOF, I hereunto set my hand this _____ day of _____

William Carter

PATENT ASSIGNMENT AND DECLARATION

IN TESTIMONY WHEREOF, I hereunto set my hand this <u>Standard</u> day of <u>Octobe</u>

Jacob M. Hundley

MWR/mac

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	-brand -
	Joanna A. Kolodziejska
*****	****
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	Robert E. Doty
*****	****
IN TESTIMONY WHEREOF, I hereunto set my h	and this day of,
	William Carter

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PATENT ASSIGNMENT AND DECLARATION

IN TESTIMONY WHEREOF, I hereunto set my hand this <u>Standard</u> day of <u>Octobe</u>

Jacob M. Hundley

MWR/mac

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