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| PATENT ASSIGNMENT COVER SHEET |
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EPAS ID: PAT4866596

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| C FREDERICK BATTRELL | 11/29/2017 |
| TRACY MATRAY | 11/29/2017 |
| HESHAM SHERIF | 11/29/2017 |
| MICHAEL VANBRUNT | 11/29/2017 |
| RECEIVING PARTY DATA | |
| Name: | SONY CORPORATION OF AMERICA |
| Street Address: | 550 MADISON AVENUE |
| City: | NEW YORK |
| State/Country: | NEW YORK |
| Postal Code: | 10022-3211 |
| Name: | SONY CORPORATION |
| Street Address: | 1-7-1 KONAN, MINATO-KU |
| City: | TOKYO |
| State/Country: | JAPAN |
| Postal Code: | 108-0075 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15553546 |
| CORRESPONDENCE DATA | |
| Fax Number: | (206)682-6031 |
| <i>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.</i> | |
| Phone: | 206-622-4900 |
| Email: | DejiaB@Seedip.com |
| Correspondent Name: | ERIC A. HARWOOD, PH.D. |
| Address Line 1: | SEED IP LAW GROUP LLP |
| Address Line 2: | 701 FIFTH AVENUE, SUITE 5400 |
| Address Line 4: | SEATTLE, WASHINGTON 98104 |
| ATTORNEY DOCKET NUMBER: | 870268.403USPC |

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|---|------------------------|
| NAME OF SUBMITTER: | ERIC A. HARWOOD, PH.D. |
| SIGNATURE: | /Eric A. Harwood/ |
| DATE SIGNED: | 03/14/2018 |
| Total Attachments: 4 source=870268403USPC_Assignment#page1.tif source=870268403USPC_Assignment#page2.tif source=870268403USPC_Assignment#page3.tif source=870268403USPC_Assignment#page4.tif | |

ASSIGNMENT

WHEREAS, we,

| Name | Address |
|-----------------------|--|
| C. Frederick Battrell | 125 E. Mountain Brook Lane, Wenatchee, WA 98801 |
| Tracy Matray | 15233 78 th Avenue SE, Snohomish, WA 98296 |
| Hesham Sherif | 17112 NE 43 rd Terrace, Redmond, WA 98052 |
| Michael VanBrunt | 16619 SE 261 st Street, Covington, WA 98042 |

(hereinafter referred to as ASSIGNORS), having mailing addresses as listed above, are the joint inventors of an invention entitled "PHENYLETHYNYLNAPHTHALENE DYES AND METHODS FOR THEIR USE," as described and claimed in the specification for which an application for United States letters patent was filed August 24, 2017 and assigned Application No. 15/553,546; which application is a national stage application filed under 35 U.S.C. 371 of International Application No. PCT/US2016/019903, accorded an International Filing Date of February 26, 2016; and for which claims the benefit of U.S. Provisional Application which was filed on February 26, 2015 and assigned Application No. 62/121,394;

WHEREAS, Sony Corporation, a Japanese corporation and Sony Corporation of America, a corporation of the State of Delaware (hereinafter referred to as ASSIGNEES), having places of business at 1-7-1 Konan, Minato-ku, Tokyo 108-0075, Japan; and 550 Madison Avenue, New York, New York 10022-3211, respectively, are desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions including any extensions or adjustments in term thereof, and in any and all divisions, reissues and continuations thereof, including the right to sue and collect damages for past and present infringement of said letters patent; said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its

successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Nov 29, 2017
Date

C. Frederick Battrell (Assignor)
C. Frederick Battrell

State of Washington)

County of King) ss.

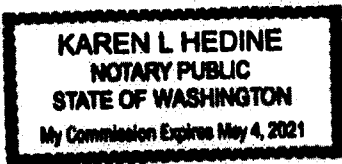
I certify that I know or have satisfactory evidence that C. Frederick Battrell is the person who appeared before me, and said person acknowledged that she/he signed this instrument and acknowledged it to be her/his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated November 29, 2017

Signature of Notary Public K. Hedine

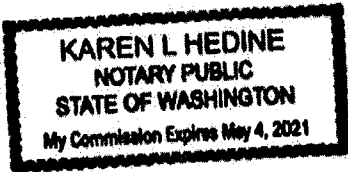
Printed Name KAREN HEDINE

My appointment expires May 4, 2021



11/29/17
Date _____
[Signature] (Assignor)
Tracy Matray
State of Washington)
County of King) ss.

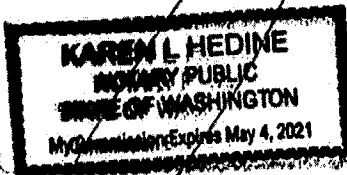
I certify that I know or have satisfactory evidence that Tracy Matray is the person who appeared before me, and said person acknowledged that she/he signed this instrument and acknowledged it to be her/his free and voluntary act for the uses and purposes mentioned in the instrument.



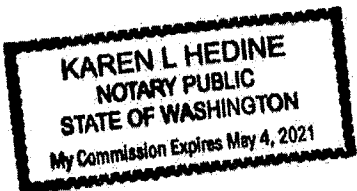
Dated November 29, 2017
Signature of [Signature]
Notary Public _____
Printed Name KAREN HEDINE
My appointment expires May 4, 2021

11/29/2017
Date _____
[Signature] (Assignor)
Hesham Sherif
State of WA)
County of King) ss.

I certify that I know or have satisfactory evidence that Hesham Sherif is the person who appeared before me, and said person acknowledged that she/he signed this instrument and acknowledged it to be her/his free and voluntary act for the uses and purposes mentioned in the instrument.



Dated 11/29/17
Signature of [Signature]
Notary Public _____
Printed Name KAREN HEDINE
My appointment expires May 4, 2021



11.20.2017
Date _____
[Signature]
Michael VanBrunt _____ (Assignor)

State of Washington)
County of King) ss.

I certify that I know or have satisfactory evidence that Michael VanBrunt is the person who appeared before me, and said person acknowledged that she/he signed this instrument and acknowledged it to be her/his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated NOVEMBER 29, 2017

Signature of Notary Public [Signature]

Printed Name KAREN HEDINE

My appointment expires May 4, 2021

