505198551 11/20/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KWANGHEE KIM	04/05/2018
YEHONADAV BEKENSTEIN	04/05/2018
YONG CHUL KIM	04/05/2018
PAUL ALIVISATOS	04/03/2018
IN TAEK HAN	04/12/2018

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU
City:	SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	16677
Name:	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
Street Address:	1111 FRANKLIN STREET
Internal Address:	12TH FLOOR
City:	OAKLAND
State/Country:	CALIFORNIA
Postal Code:	946075200

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15882055

CORRESPONDENCE DATA

Fax Number: (860)286-0115

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.

Phone: 860-286-2929

Email: usptopatentmail@cantorcolburn.com

Correspondent Name: CANTOR COLBURN LLP Address Line 1: 20 CHURCH STREET

Address Line 2: 22ND FLOOR

Address Line 4: HARTFORD, CONNECTICUT 06103

505198551 PATENT REEL: 047550 FRAME: 0144

ATTORNEY DOCKET NUMBER:	PNK1727US	
NAME OF SUBMITTER:	GRANT M. EHRLICH	
SIGNATURE:	/Grant M. Ehrlich/	
DATE SIGNED:	11/20/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 6		
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source=8122094#page2.tif		
source=80W6163#page1.tif		
source=80W6163#page2.tif		
source=81B1484#page1.tif		
source=81B1484#page2.tif		

PATENT REEL: 047550 FRAME: 0145

DECLARATION AND ASSIGNMENT

Title of Invention: <u>LIGHT CONVERTING NANOPARTICLE</u>, <u>METHOD OF MAKING THE LIGHT CONVERTING NANOPARTICLE</u>, <u>AND COMPOSITION AND OPTICAL FILM COMPRISING THE SAME</u>

As a below named inventor, I hereby declare that:

This declaration is directed to:

[] the attached application (Attorney Docket Number PNK1727US), or
[X] United States application or PCT international application number
15/882,055 filed on January 29, 2018

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

Whereas, each undersigned inventor has made certain inventions, improvements, and discoveries (herein referred to as the "INVENTION") disclosed in the above-identified patent application (herein referred to as the ("APPLICATION");

Whereas, the REGENTS OF THE UNIVERSITY OF CALIFORNIA, having its statewide administrative offices located at 1111 Franklin Street, 12th Floor, Oakland, CA 94607-5200

(herein referred to as "ASSIGNEE"), desires to acquire, and each undersigned inventor desires to grant to ASSIGNEE, the entire worldwide right, title, and interest in and to the INVENTION and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor (herein referred to ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the INVENTION, the APPLICATION, and any and all other patent applications and patents for the INVENTION which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, continuations-in-part, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the INVENTION, to ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by ASSIGNEE,

its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the INVENTION, the APPLICATION, and all related patents and applications, in ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by ASSIGNEE, its successors, legal representatives, and assigns.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

The undersigned hereby grant(s) the law firm of Cantor Colburn LLP the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Legal Name of Inventor	Yehonadav BEKENSTEIN
Signature: 4	100 Am
Signature:	WW Date: 4/5/2018
H	
Legal Name of Inventor:	Paul ALIVISATOS
Sionature	Date:

DECLARATION AND ASSIGNMENT

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This declaration is directed to:

[] the attached a	oplication (Atto	rney Docket	Number <u>J</u>	<u>PNK1727US</u>), c
[X] United State 15/882,055	s application or filed on _	PCT interna January 29,	itional app 2018	lication number

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PNK1727US OPP20173781US RK-201705-013-1-US0

its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the INVENTION, the APPLICATION, and all related patents and applications, in ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by ASSIGNEE, its successors, legal representatives, and assigns.

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Legal Name of Inventor:	Yehonadav BEKENSTEIN		
Signature:		Date:	NATURE DE LA CONTRACTION DEL CONTRACTION DE LA C
Legal Name of Inventor:	Paul ALIVISATOS		
Signature:		Date: 4/3/18	

DECLARATION AND ASSIGNMENT

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This declaration is directed to:

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[X] United St	ates application or PCT international application number
15/882,053	filed on January 29, 2018

The above-identified application was made or authorized to be made by me.

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(herein referred to as "ASSIGNEE"), desires to acquire, and each undersigned inventor desires to grant to ASSIGNEE, the entire worldwide right, title, and interest in and to the INVENTION and in and to any and all patent applications and patents directed thereto;

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PATENT REEL: 047550 FRAME: 0150

PNK1727US OPP20173781US RK-201705-013-1-US0

the entire worldwide right, title, and interest in and to the same to be held and enjoyed by ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the INVENTION, the APPLICATION, and all related patents and applications, in ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by ASSIGNEE, its successors, legal representatives, and assigns.

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The undersigned hereby grant(s) the law firm of Cantor Colburn LLP the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Legal Name of Inventor: Kwanghee KIM	
Signature: Way Joe Win	Date: April 54h, 2018
Legal Name of Inventor: Yong Chul KIM Signature: YOU GC/WW. Kim	Date: Apa. 5th. 2018
Legal Name of Inventor: In Tack HAN Signature:	Date: Apr. 12th 2017