

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6399768

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT
EFFECTIVE DATE:	05/14/2019

CONVEYING PARTY DATA

Name	Execution Date
YOUNGHOON KIM	06/17/2019
FANGLIN CHE	06/27/2019
JEA WOONG JO	06/10/2019
JONGMIN CHOI	07/09/2019
FRANCISCO PELAYO GARCIA DE ARQUER	06/10/2019
SJOERD HOOGLAND	06/25/2019
EDWARD H. SARGENT	06/14/2019

RECEIVING PARTY DATA

Name:	THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO
Street Address:	100 COLLEGE STREET
City:	TORONTO, ONTARIO
State/Country:	CANADA
Postal Code:	M5G 1L5

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17055052

CORRESPONDENCE DATA

Fax Number: (703)739-9889

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: 7037399888

Email: dowell@dowellpc.com

Correspondent Name: DOWELL & DOWELL, P.C.

Address Line 1: 2560 HUNTINGTON AVENUE

Address Line 2: SUITE 406

Address Line 4: ALEXANDRIA, VIRGINIA 22303

ATTORNEY DOCKET NUMBER:	21229NP
NAME OF SUBMITTER:	JEREMY W. MILLER, REG. NO. 72995
SIGNATURE:	/Jeremy W. Miller/

PATENT

DATE SIGNED:	11/13/2020
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Total Attachments: 10
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WORLDWIDE ASSIGNMENT

WE, Younghoon KIM, Fanglin CHE, Jea Woong JO, Jongmin CHOI, Francisco Pelayo GARCIA DE ARQUER, Sjoerd HOOGLAND and Edward H. SARGENT, whose full post office addresses are, 103-802, 33 Wolbae-ro 11-gil, Dalseo-gu, Daegu 42763, Korea; 522 Wharton Drive, Newark, Delaware 19711, U.S.; 30, Pildong-ro 1-gil, Seoul 04620, Korea; 103-1603 2, Cheongho-ro 84 an-gil, Suseong-gu, Daegu 42083, Korea; 191 Shaw Street, Toronto, Ontario M6J 2W7, Canada; 80 Kingsmount Park Road, Toronto, Ontario M4L 3L4, Canada and 21 Parkwood Avenue, Toronto, Ontario M4V 2W9, Canada, respectively, have invented, **PASSIVATION OF NANOCRYSTALS TAILORED TO DIFFERENT FACETS, AND ITS APPLICATION TO OPTOELECTRONIC DEVICES**, for which the International PCT patent application was filed:

Filing Date: May 14, 2019

Serial No. PCT/CA2019/050648

in consideration of Two Dollars (\$2.00) paid to US, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, WE by these presents confirm that WE have sold, transferred and assigned and do hereby sell, transfer and assign to **THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO** ("Assignee"), having offices at, 100 College Street, Toronto, Ontario M5G 1L5, Canada, its successors and assigns or nominees, all OUR rights, title and interest in all the countries of the world in and to OUR invention as fully described and claimed in the International PCT patent application, and WE sell, assign and transfer to **THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO**, all OUR rights to apply for patent on said invention in all the countries of the world including any and all full utility applications, divisions, continuations, continuation-in-part, re-examinations, renewals, reissues and/or extensions thereof, any design applications originating therefrom, International PCT patent applications and all national phase applications and all OUR corresponding rights, title and interest in and to any patent which may issue

therefor in all the countries of the world, and all OUR corresponding rights, title and interest in and to any patent which may issue therefor, to have and to hold for THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO 's own use and THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO 's successors and assigns as fully and entirely as the same might be enjoyed by Younghoon KIM, Fanglin CHE, Jea Woong JO, Jongmin CHOI, Francisco Pelayo GARCIA DE ARQUER, Sjoerd HOOGLAND and Edward H. SARGENT if this sale had not been made.

AND WE UNDERTAKE to sign such further documents to effect the aforesaid sale, assignment and transfer as may be required from time to time, without reimbursement, but at the expense of THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO.

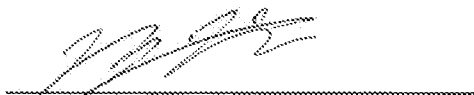
AND WE authorize HILL & SCHUMACHER, Patent and Trademark Agents, of 264 Avenue Road, Toronto, Ontario M4V 2G7, Canada to enter the particulars of the signature and particulars of the Declaration of Witness when missing.

The agreement shall be retroactive *nunc pro tunc* to the filing date of the PCT application such that the effective date of this agreement is **May 14, 2019**.

This assignment can be signed in counterparts.

Signed at (city/town) Daegu

This 17 day of June, 2019.



Younghoon KIM

DECLARATION OF WITNESS

I, Jigeon Kim, whose full post office address is, DGIST, 333, Techno Jungang Daero, Hyeonpung-Myeon, Daegu-Gun, Daegu 42988, hereby declare that that I was personally present and did see **Younghoon KIM** who is personally known to me to be the person named in the above assignment duly sign and execute the same.

DECLARED at (city/town) Daegu

This 17 day of June, 2019.

Jigeon Kim 김지건

(Signature of Witness)

Signed at (city/town) Newark, DE

This 27 day of June, 2019.

Fanglin Che
Fanglin CHE

DECLARATION OF WITNESS

I, Changjun Lee, whose full post office address is, 522 Wharton Drive, Newark, DE 19711, hereby declare that that I was personally present and did see Fanglin CHE who is personally known to me to be the person named in the above assignment duly sign and execute the same.

DECLARED at (city/town) Newark, DE

This 27 day of June, 2019.

Changjun Lee
(Signature of Witness)

Signed at (city/town) Seoul (KOREA)

This 10 day of June, 2019.

[Handwritten Signature]
Jea Woong JO

DECLARATION OF WITNESS

I, Sang Mi Chun, whose full post office address is, 40, Geunho-ro, Songdong-gu, Seoul, Republic of Korea, hereby declare that that I was personally present and did see **Jea Woong JO** who is personally known to me to be the person named in the above assignment duly sign and execute the same.

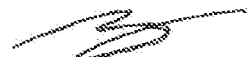
DECLARED at (city/town) Seoul

This 10 day of June, 2019.

[Handwritten Signature]
(Signature of Witness)

Signed at (city/town) Daegu

This 9 day of July, 2019.



Jongmin CHOI

DECLARATION OF WITNESS

I, Jim Young Park, whose full post office address is, DGIST, 33, Techno Jungang-cho, Hyangpung-eup, Daegu-gun Daegu, 700-702, KOREA, hereby declare that that I was personally present and did see **Jongmin CHOI** who is personally known to me to be the person named in the above assignment duly sign and execute the same.

DECLARED at (city/town) Daegu

This 9 day of July, 2019.

박진영

(Signature of Witness)

Signed at (city/town) TORONTO

This 10th day of JUNE, 2019.



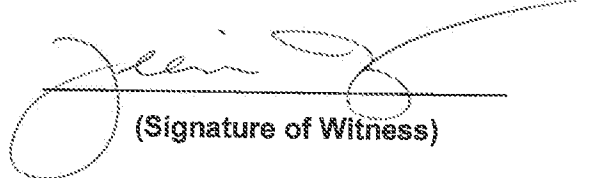
Francisco Pelayo GARCIA DE ARQUER

DECLARATION OF WITNESS

I, JEANNIE INQ, whose full post office address is, 320 MANTLE AVE., STOUFFVILLE, ON L4A0K7, hereby declare that that I was personally present and did see **Francisco Pelayo GARCIA DE ARQUER** who is personally known to me to be the person named in the above assignment duly sign and execute the same.

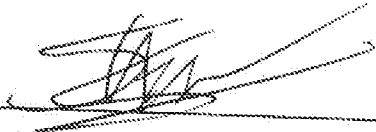
DECLARED at (city/town) TORONTO

This 10TH day of JUNE, 2019.


(Signature of Witness)

Signed at (city/town) Toronto

This 25 day of June, 2019.



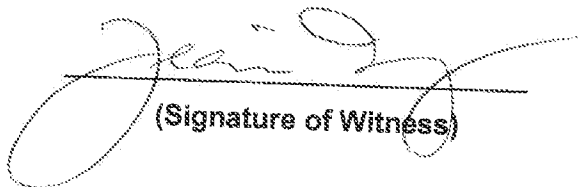
Sjoerd HOOGLAND

DECLARATION OF WITNESS

I, JEANNIE ING, whose full post office address
is, 320 MANTLE AVE, STOUFFVILLE, ON L4A0R8, hereby
declare that that I was personally present and did see **Sjoerd HOOGLAND** who is
personally known to me to be the person named in the above assignment duly sign and
execute the same.

DECLARED at (city/town) TORONTO

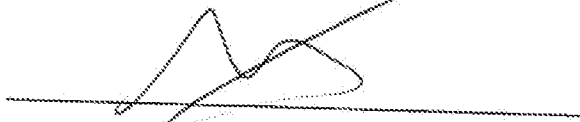
This 25TH day of JUNE, 2019.



(Signature of Witness)

Signed at (city/town) TORONTO

This 14TH day of JUNE, 2019.



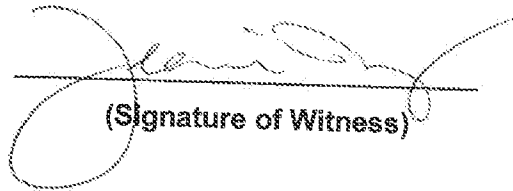
Edward H. SARGENT

DECLARATION OF WITNESS

I, JEANNIE ING, whose full post office address is, 320 HAVILE AVE., STOUFFVILLE, ON, L4A 0R8, hereby declare that that I was personally present and did see Edward H. SARGENT who is personally known to me to be the person named in the above assignment duly sign and execute the same.

DECLARED at (city/town) TORONTO

This 14TH day of JUNE, 2019.


(Signature of Witness)

The signatory is duly authorized by the Office of the Vice-President Research and Innovation of The Governing Council of the University of Toronto to sign the said document.

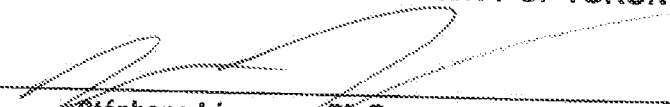
ACCEPTANCE

The Assignee accepts this assignment.

Signed at (city/town) Toronto

This 9th day of September, 2019.

THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO

Signature: 

Stéphane Lévesque, Ph.D.
Patents, Innovations & Partnerships Office

Print Name: _____

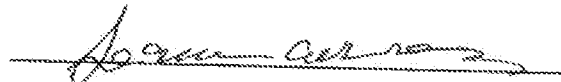
Position: Patent Portfolio Manager

DECLARATION OF WITNESS

I, Leanne Ambrose, whose full post office address is, 3133 Cambourne Crescent, Mississauga ON L5W 5E8, hereby declare that I was personally present and did see, Stéphane Lévesque, who is personally known to me to be the person that has duly signed and executed the above assignment on behalf of THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO.

DECLARED at (city/town) Toronto

This 9th day of September, 2019.



(Signature of Witness)