

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5307314

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHANG-BEOM EOM	03/09/2017
DAESU LEE	03/09/2017
ZHENQIANG MA	03/14/2017
DONG LIU	03/14/2017
SANG JUNE CHO	10/20/2017
JAESEONG LEE	10/20/2017
RECEIVING PARTY DATA	
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City:	Madison
State/Country:	WISCONSIN
Postal Code:	53726
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16237804
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Address Line 2:	13TH FLOOR
Address Line 4:	MADISON, WISCONSIN 53726
ATTORNEY DOCKET NUMBER:	P170207US02
NAME OF SUBMITTER:	MEREDITH NORIEGA
SIGNATURE:	/MEREDITH NORIEGA/
DATE SIGNED:	01/03/2019

Total Attachments: 7

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ASSIGNMENT
(Joint Inventors)

I am one of the persons identified as an inventor and who has contributed to a new and useful invention (the "Invention") described in the provisional, utility, or design United States patent application and/or the patent application filed under the Patent Cooperation Treaty, as identified below. These patent application(s) are identified as follows:

Filing Type	Filing Country	Serial Number	Filing Date
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VANADIUM DIOXIDE-BASED OPTICAL AND RADIOFREQUENCY SWITCHES			
PAT	UNITED STATES	15/451745	March 7, 2017

VANADIUM DIOXIDE-BASED OPTICAL AND RADIOFREQUENCY SWITCHES			
PCT	W.I.P.O. (IS PCT)	PCT/US2018/019397	February 23, 2018

VANADIUM DIOXIDE-BASED OPTICAL AND RADIOFREQUENCY SWITCHES			
DIV	UNITED STATES	16/237804	January 2, 2019

For good and valuable consideration, the receipt of which I hereby acknowledge, I do hereby sell, assign, and transfer to the Wisconsin Alumni Research Foundation ("WARF"), a non-stock, non-profit, Wisconsin corporation, and to its legal representatives, successors and assigns, my entire right, title and interest in and to the Invention and to all United States provisional, utility, and design applications as well as foreign patents or patent applications any of which cover all or part of the Invention. WARF shall hold such right, title and interest as fully and completely as they would have been held by me had this assignment and sale not been made.

I further agree, upon WARF's request, to execute any documents, including any separate assignments, declarations or other legal documents, that WARF may find necessary or desirable in its exercise of the right, title and interest assigned above. I further agree to communicate to WARF any facts relating either to the Invention or to any of the patent or patent applications based on the Invention that might be useful to WARF and to testify about any such facts in any interferences or litigation, if requested by WARF to do so. I shall do the above acts without additional compensation but at no expense to me.

Should the application number of any of the patent applications referenced above be unavailable the date that I execute this document, WARF is authorized by me to insert the application number and filing dates of these patent applications into this document. WARF is also specifically authorized to record this document as evidence of my assignment to WARF of any subsequent United States patent application claiming priority from any of the above identified patent applications.

Ref: P170207US02
Wisconsin Alumni Research Foundation

ASSIGNMENT

Wisconsin Alumni Research Foundation

Ref: P170207US01

App.#: 15/451745, Filed: March 7, 2017

Inventor: _____

Chang-Beom Eom

Date: _____

3/9/2017

Chang-Beom Eom
830 Hidden Cave Road
Madison, WI 53717

State of Wisconsin)
)ss.
County of Dane)

On this 9 day of March, 2017 before me personally appeared Chang-Beom Eom, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Dana Christensen
Notary Public

My Commission expires: April 03, 2020

ASSIGNMENT

Wisconsin Alumni Research Foundation

Ref: P170207US01

App.#: 15/451745, Filed: March 7, 2017

Inventor: Daesu Lee

Date: 3/9/2017

Daesu Lee
906 Eagle Heights, Apt E
Madison, WI 53705

State of Wisconsin)
)ss.
County of Dane)

On this 9 day of March, 2017 before me personally appeared Daesu Lee, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Dana Christenson
Notary Public

My Commission expires: April 03, 2020

ASSIGNMENT

Wisconsin Alumni Research Foundation

Ref: P170207US01

App#: 15/451745, Filed: March 7, 2017

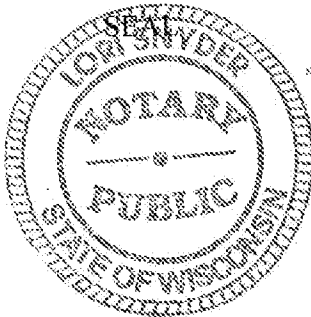
Inventor: _____

Date: _____

Zhenqiang Ma
5520 Sandhill Dr.
Middleton, WI 53562

State of Wisconsin)
)ss.
County of Dane)

On this 14 day of March, 2017 before me personally appeared Zhenqiang Ma, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.



Notary Public

My Commission expires: 10-19-18

ASSIGNMENT

Wisconsin Alumni Research Foundation

Ref: P170207US01

App.#: 15/451745, Filed: March 7, 2017

Inventor: _____

Dong Liu

Date: _____

3/14/2017

Dong Liu

931 Eagle Heights, Apt D,

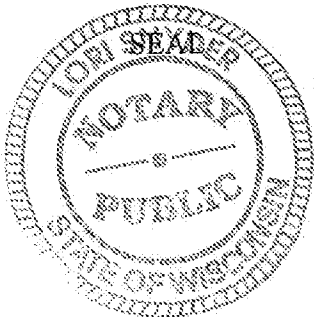
Madison, WI 53705

State of Wisconsin)

)ss.

County of Dane)

On this 14 day of March, 2017 before me personally appeared Dong Liu, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.



[Signature]
Notary Public

My Commission expires: 10-19-18

PATENT

REEL: 047891 FRAME: 0485

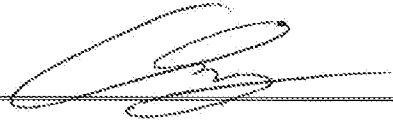
ASSIGNMENT

Wisconsin Alumni Research Foundation

Ref: P170207US01

App.#: 15/451745, Filed: March 7, 2017

Inventor: _____



Date: 10/20/2017

Sang June Cho
82 S Gardens Way
Fitchburg, WI 53711

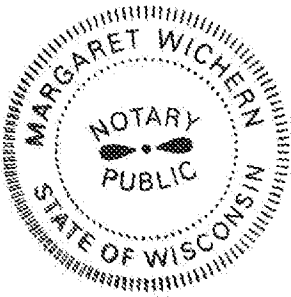
State of Wisconsin)
)ss.
County of Dane)

On this 20th day of October, 2017 before me personally appeared Sang June Cho, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Margaret Wichern
Notary Public

My Commission expires: 11/17/20



ASSIGNMENT

Wisconsin Alumni Research Foundation

Ref: P170207US01

App.#: 15/451745, Filed: March 7, 2017

Inventor: _____

[Signature]

Date: 10/20/2017

Jaeseong Lee
385 River Oaks Pkwy Apt 2122,
San Jose, CA 95134

California
State of ~~Wisconsin~~)
Santa Clara)ss.
County of ~~Dane~~)

On this 20th day of Oct., 2017 before me personally appeared Jaeseong Lee, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public

[Signature]

My Commission expires: June, 24th, 2021

