

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6201097

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AYMAN F. ABOURADDY	08/23/2019
MASSIMO MAXIMILIAN L. VILLINGER	08/23/2019
ABBAS SHIRI	09/24/2019
SOROUGH SHABAHANG	11/26/2019
CHRIS H. VILLINGER	10/04/2019
RECEIVING PARTY DATA	
Name:	UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC.
Street Address:	12201 RESEARCH PARKWAY
City:	ORLANDO
State/Country:	FLORIDA
Postal Code:	32826
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	62842787
Application Number:	16865486
CORRESPONDENCE DATA	
Fax Number:	(773)570-3328
<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:	7735703330
Email:	mcooper@kandrip.com
Correspondent Name:	KLINTWORTH & ROZENBLAT IP LLP
Address Line 1:	19 N. GREEN STREET
Address Line 4:	CHICAGO, ILLINOIS 60607
ATTORNEY DOCKET NUMBER:	UCF01-007-PRO AND US
NAME OF SUBMITTER:	WILLIAM GREENER
SIGNATURE:	/William Greener/
DATE SIGNED:	07/15/2020
Total Attachments: 14	

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PATENT APPLICATION ASSIGNMENT

WHEREAS, I, the undersigned, residing at the indicated addresses given below, respectively, have invented certain new and useful improvements in Coherently enhanced near-infrared quantum efficiency of a solar cell integrated into a planar omni-resonant cavity, for which an application for U.S. Letters Patent was filed on May 3, 2019, as Serial No. 62/842,787.

WHEREAS, by virtue of my employment/appointment with the UNIVERSITY OF CENTRAL FLORIDA, I am obligated to assign any rights in the said invention to the UNIVERSITY OF CENTRAL FLORIDA or its designee;

WHEREAS, the UNIVERSITY OF CENTRAL FLORIDA has designated the UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., existing by virtue of the laws of the State of Florida, and having an office at 12201 Research Parkway, Ste. 501, Orlando, FL 32826, to be the assignee of the entire right, title and interest in and to the said invention;

WHEREAS, the UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC. is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent which may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in view of good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, I, the undersigned, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

I hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., as the assignee of the entire right, title and interest in and to the same, for the sole use and behalf of said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns.

FURTHER, I agree that I will communicate to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., or its representatives, any facts known to us respecting said invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC.; make all rightful oaths; and generally do everything possible to aid the said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand on the date written herein below.

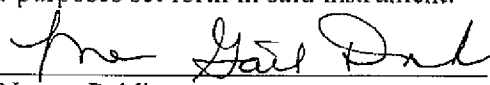
Signed 

Ayman F. Abouraddy
~~4365 Andromeda Loop-N.~~
~~Orlando, FL 32816~~

1105 TWIN OAKS CIRCLE
OVIEDO, FL 32765

State of Florida
County of Orange)

On this 23 day of August, 2019, personally appeared before me the above-named Ayman Abouraddy, to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.



Notary Public
My Commission Expires: 6/2/2022

SEAL



Date:

8/28/19

Svetlana Shtrom
UNIVERSITY OF CENTRAL FLORIDA
RESEARCH FOUNDATION, INC.

Name: Svetlana Shtrom, PhD, MBA

Title: Vice President of Technology Transfer

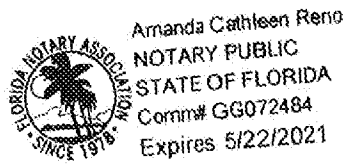
State of Florida

County of Orange

On this 28th day of August, 2019, personally appeared before me the above-named Svetlana Shtrom to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

[Signature]
Notary Public
My Commission Expires: 5/22/2021

SEAL



PATENT APPLICATION ASSIGNMENT

WHEREAS, I, the undersigned, residing at the indicated addresses given below, respectively, have invented certain new and useful improvements in Coherently enhanced near-infrared quantum efficiency of a solar cell integrated into a planar omni-resonant cavity, for which an application for U.S. Letters Patent was filed on May 3, 2019, as Serial No. 62/842,787.

WHEREAS, by virtue of my employment/appointment with the UNIVERSITY OF CENTRAL FLORIDA, I am obligated to assign any rights in the said invention to the UNIVERSITY OF CENTRAL FLORIDA or its designee;

WHEREAS, the UNIVERSITY OF CENTRAL FLORIDA has designated the UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., existing by virtue of the laws of the State of Florida, and having an office at 12201 Research Parkway, Ste. 501, Orlando, FL 32826, to be the assignee of the entire right, title and interest in and to the said invention;

WHEREAS, the UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC. is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent which may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in view of good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, I, the undersigned, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

I hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., as the assignee of the entire right, title and interest in and to the same, for the sole use and behalf of said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns.

FURTHER, I agree that I will communicate to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., or its representatives, any facts known to us respecting said invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC.; make all rightful oaths; and generally do everything possible to aid the said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand on the date written herein below.

Signed *Massimo Villinger*
Massimo Maximilian L. Villinger
~~4365 Andromeda Loop N~~
~~Orlando, FL 32816~~
4328 TIDEWATER DRIVE
ORLANDO, FL 32812

State of Florida)
County of Orange)

On this 23 day of August, 2019, personally appeared before me the above-named Massimo Villinger, to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

Marian Gail Drabczuk
Notary Public
My Commission Expires: 6/2/2022

SEAL



Date:

8/28/19

Svetlana Shtrom
UNIVERSITY OF CENTRAL FLORIDA
RESEARCH FOUNDATION, INC.

Name: Svetlana Shtrom, PhD, MBA

Title: Vice President of Technology Transfer

State of Florida

County of Orange

On this 28th day of August, 2019, personally appeared before me the above-named Svetlana Shtrom to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

[Signature]
Notary Public

My Commission Expires: 5/22/2021

SEAL



Amanda Cathleen Reno
NOTARY PUBLIC
STATE OF FLORIDA
Comm# GG072484
Expires 5/22/2021

PATENT APPLICATION ASSIGNMENT

WHEREAS, I, the undersigned, residing at the indicated addresses given below, respectively, have invented certain new and useful improvements in Coherently enhanced near-infrared quantum efficiency of a solar cell integrated into a planar omni-resonant cavity, for which an application for U.S. Letters Patent was filed on May 3, 2019, as Serial No. 62/842,787.

WHEREAS, by virtue of my employment/appointment with the UNIVERSITY OF CENTRAL FLORIDA, I am obligated to assign any rights in the said invention to the UNIVERSITY OF CENTRAL FLORIDA or its designee;

WHEREAS, the UNIVERSITY OF CENTRAL FLORIDA has designated the UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., existing by virtue of the laws of the State of Florida, and having an office at 12201 Research Parkway, Ste. 501, Orlando, FL 32826, to be the assignee of the entire right, title and interest in and to the said invention;

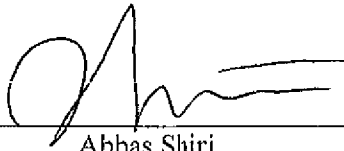
WHEREAS, the UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC. is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent which may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in view of good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, I, the undersigned, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

I hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., as the assignee of the entire right, title and interest in and to the same, for the sole use and behalf of said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns.

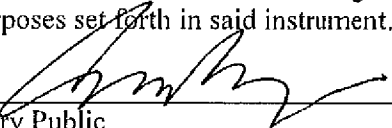
FURTHER, I agree that I will communicate to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., or its representatives, any facts known to us respecting said invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC.; make all rightful oaths; and generally do everything possible to aid the said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand on the date written herein below.

Signed 
Abbas Shiri
4365 Andromeda Loop N.
Orlando, FL 32816

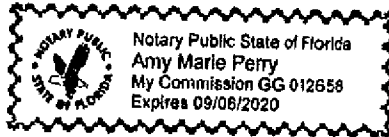
State of Florida
County of Orange)

On this 24th day of September 2019, personally appeared before me the above-named Abbas Shiri, to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.



Notary Public
My Commission Expires: 9/6/20

SEAL



Date:

11/1/19

Svetlana Shtrom
UNIVERSITY OF CENTRAL FLORIDA
RESEARCH FOUNDATION, INC.

Name: Svetlana Shtrom, PhD, MBA

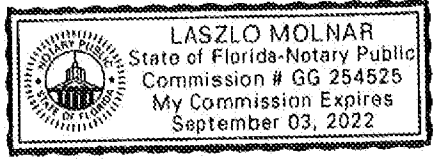
Title: Vice President of Technology Transfer

State of Florida
County of Orange

On this 1 day of Nov., 2019, personally appeared before me the above-named Svetlana Shtrom to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

Laszlo Molnar
Notary Public
My Commission Expires: 9/3/2022

SEAL



PATENT APPLICATION ASSIGNMENT

WHEREAS, I, the undersigned, residing at the indicated addresses given below, respectively, have invented certain new and useful improvements in Coherently enhanced near-infrared quantum efficiency of a solar cell integrated into a planar omni-resonant cavity, for which an application for U.S. Letters Patent was filed on May 3, 2019, as Serial No. 62/842,787.

WHEREAS, by virtue of my employment/appointment with the UNIVERSITY OF CENTRAL FLORIDA, I am obligated to assign any rights in the said invention to the UNIVERSITY OF CENTRAL FLORIDA or its designee;

WHEREAS, the UNIVERSITY OF CENTRAL FLORIDA has designated the UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., existing by virtue of the laws of the State of Florida, and having an office at 12201 Research Parkway, Ste. 501, Orlando, FL 32826, to be the assignee of the entire right, title and interest in and to the said invention;

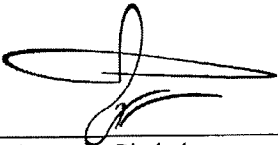
WHEREAS, the UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC. is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent which may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in view of good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, I, the undersigned, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

I hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., as the assignee of the entire right, title and interest in and to the same, for the sole use and behalf of said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns.

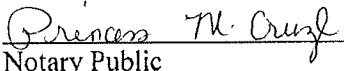
FURTHER, I agree that I will communicate to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., or its representatives, any facts known to us respecting said invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC.; make all rightful oaths; and generally do everything possible to aid the said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand on the date written herein below.

Signed 
Soroush Shabahang
4365 Andromeda Loop N.
Orlando, FL 32816

State of Florida
County of)

On this 26th day of November, 2019, personally appeared before me the above-named Soroush Shabahang, to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.


Notary Public
My Commission Expires:

SEAL



PRINCESS M. CRUZ
Notary Public
Commonwealth of Massachusetts
My Commission Expires
August 23, 2024

PATENT APPLICATION ASSIGNMENT

WHEREAS, I, the undersigned, residing at the indicated addresses given below, respectively, have invented certain new and useful improvements in Coherently enhanced near-infrared quantum efficiency of a solar cell integrated into a planar omni-resonant cavity, for which an application for U.S. Letters Patent was filed on May 3, 2019, as Serial No. 62/842,787.

WHEREAS, by virtue of my employment/appointment with the UNIVERSITY OF CENTRAL FLORIDA, I am obligated to assign any rights in the said invention to the UNIVERSITY OF CENTRAL FLORIDA or its designee;

WHEREAS, the UNIVERSITY OF CENTRAL FLORIDA has designated the UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., existing by virtue of the laws of the State of Florida, and having an office at 12201 Research Parkway, Ste. 501, Orlando, FL 32826, to be the assignee of the entire right, title and interest in and to the said invention;

WHEREAS, the UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC. is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent which may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in view of good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, I, the undersigned, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

I hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., as the assignee of the entire right, title and interest in and to the same, for the sole use and behalf of said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns.

FURTHER, I agree that I will communicate to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., or its representatives, any facts known to us respecting said invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC.; make all rightful oaths; and generally do everything possible to aid the said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand on the date written herein below.

Signed *Chris Villinger*
Chris H. Villinger
4365 Andromeda Loop N.
Orlando, FL 32816

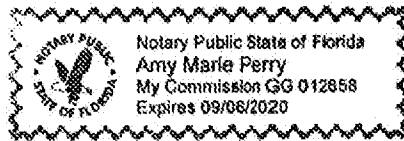
State of Florida

County of Orange)

On this 4th day of October, 2019, personally appeared before me the above-named CHRIS H. VILLINGER, to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

Amy Perry
Notary Public
My Commission Expires: 9/6/20

SEAL



Date:

10/28/19

Svetlana Shtrom
UNIVERSITY OF CENTRAL FLORIDA
RESEARCH FOUNDATION, INC.

Name: Svetlana Shtrom, PhD, MBA

Title: Vice President of Technology Transfer

State of Florida
County of)

On this 29 day of October, 2019, personally appeared before me the above-named Svetlana Shtrom, to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

Laszlo Molnar
Notary Public
My Commission Expires: 9/3/2022

SEAL

