

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7431734

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ARKADIY LYAKH	06/24/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC.
<b>Street Address:</b>	12201 RESEARCH PARKWAY, STE. 501
<b>City:</b>	ORLANDO
<b>State/Country:</b>	FLORIDA
<b>Postal Code:</b>	32826
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17304269
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(407)841-2343
<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>	
<b>Email:</b>	sscheibe@allendyer.com
<b>Correspondent Name:</b>	JACK G. ABID
<b>Address Line 1:</b>	255 S. ORANGE AVE. STE. 1401
<b>Address Line 4:</b>	ORLANDO, FLORIDA 32801
<b>ATTORNEY DOCKET NUMBER:</b>	11558-02 (0132769)
<b>NAME OF SUBMITTER:</b>	JACK G. ABID
<b>SIGNATURE:</b>	/JACK G. ABID /
<b>DATE SIGNED:</b>	07/14/2022
<b>Total Attachments: 3</b>	
source=0132769 ASSIGN#page1.tif	
source=0132769 ASSIGN#page2.tif	
source=0132769 ASSIGN#page3.tif	

**PATENT APPLICATION ASSIGNMENT**

WHEREAS, I, The undersigned, at the indicated addresses given below, respectively, have invented certain new and useful improvements in ***QCL WITH BRANCH STRUCTURE AND RELATED METHODS***, for which for which an application for U.S. Letters Patent was filed on **June 17, 2021**, as Serial No. **17/304,269**.

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

UCF Ref. 11558-02 (0132769)

Application Serial No.: 17/304,269

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.

Date: 6/24/21

Signed Arkadiy Lyakh  
Arkadiy Lyakh  
4365 Andromeda Loop N.  
Orlando, FL 32816

Digitally signed by Arkadiy Lyakh  
Date: 2021.06.24 11:18:32 -04'00'

**For an acknowledgment in an individual capacity: (FS 117.05[13][b])**

STATE OF FLORIDA  
COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me on this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_,  
by \_\_\_\_\_ (name of person acknowledging.)

(Seal)

\_\_\_\_\_  
Signature of Notary Public

\_\_\_\_\_  
Print, Type/Stamp Name of Notary

Personally known: \_\_\_\_\_

OR Produced Identification: \_\_\_\_\_

Type of Identification Produced: \_\_\_\_\_

Date: 6/24/21

\_\_\_\_\_

Svetlana Shtrom

Digitally signed by Svetlana Shtrom  
Date: 2021.06.24 13:51:52  
-04'00'

UNIVERSITY OF CENTRAL FLORIDA  
RESEARCH FOUNDATION, INC.

Name: Svetlana Shtrom

Title: Vice President of Technology Transfer

**For an acknowledgment in an individual capacity: (FS 117.05[13][b])**

STATE OF FLORIDA  
COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me on this \_\_\_\_ day of \_\_\_\_\_, 20 \_\_,  
by \_\_\_\_\_ (name of person acknowledging.)

(Seal)

\_\_\_\_\_  
Signature of Notary Public

\_\_\_\_\_  
Print, Type/Stamp Name of Notary

Personally known: \_\_\_\_\_

OR Produced Identification: \_\_\_\_\_

Type of Identification Produced: \_\_\_\_\_