

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6849246

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANINDITA BANERJEE	07/30/2021
RAJESH KUMAR KRISHNAN	07/30/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	QUNU LABS PVT LTD
<b>Street Address:</b>	CENTENARY BUILDING, 2ND FLOOR, EAST WING, NO 28, MG ROAD
<b>City:</b>	BENGALURU
<b>State/Country:</b>	INDIA
<b>Postal Code:</b>	560025
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17388705
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	filings@ipexcel.com
<b>Correspondent Name:</b>	JASON C. CAMERON
<b>Address Line 1:</b>	13102, PLUMWOOD DRIVE
<b>Address Line 4:</b>	CYPRESS, TEXAS 77429
<b>ATTORNEY DOCKET NUMBER:</b>	1900805US-CS
<b>NAME OF SUBMITTER:</b>	JASON C. CAMERON
<b>SIGNATURE:</b>	/Jason C. Cameron/
<b>DATE SIGNED:</b>	08/05/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 5</b>	
source=1900805US_CS_Assignment#page1.tif	
source=1900805US_CS_Assignment#page2.tif	
source=1900805US_CS_Statement#page1.tif	
source=1900805US_CS_Statement#page2.tif	
source=1900805US_CS_Statement#page3.tif	

PATENT ASSIGNMENT AGREEMENT

This PATENT ASSIGNMENT AGREEMENT ("Patent Assignment"), dated as of **July 30, 2021** (the "Effective Date"), is made by **Anindita Banerjee** with an address of **Unit Flat 012, Ground Floor, Shelter Apt, 15 Palm Grove Road, Bengaluru-560047, Karnataka, India** and **Rajesh Kumar Krishnan** with an address of **#502, Purva Midtown, FCI Godown Rd, Dooravani Nagar, Bengaluru - 560016, Karnataka, India** (the "Assignors"), in favor of **QuNu Labs Pvt Ltd** ("Assignee"), a Corporation, located at **Centenary Building, 2nd Floor, East Wing, No 28, MG Road, Bengaluru - 560025, Karnataka, India**. Assignee and Assignors may be referred to herein as a "Party" or collectively as the "Parties."

WHEREAS, Assignors agree to transfer all rights, title, and interest in and to the following patent application and any related patents or patent applications, as well as any associated technology, whether patentable or not (collectively referred to as "Patents"):

**Patent/Application No.:** 17388705

**Title:** QUANTUM KEY DISTRIBUTION SYSTEM AND METHOD FOR PERFORMING DIFFERENTIAL PHASE SHIFT IN A QUANTUM NETWORK

**Filing Date:** July 29, 2021

WHEREAS, Assignee wishes to obtain all of Assignors' rights, title and interest in and to the assigned Patents.

NOW THEREFORE, in consideration of the promises and covenants set forth herein, and for other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, and with the intent to be legally bound hereby, the Parties hereby agree as follows:

1. Assignment. Assignors hereby irrevocably convey, transfer, and assign to Assignee, its successors and assign, and Assignee hereby accepts, all of Assignors' rights, title and interest in, to and under the Patents, which may be amended from time to time, and all patents that issue from any related patent applications, and all continuations, continuations-in-part, divisionals, reissues, re-examinations, any and all inventions disclosed or claimed therein, and any improvements, enhancements, and modifications thereto, worldwide, whether patentable or not.
2. Representations and Warranties. Assignors hereby represent and warrant to Assignee that:
  - a. Assignors agree to promptly communicate any improvements and inventions covered by the Patents to Assignee, and testify in any legal proceedings, sign all lawful papers, execute all applications, make all rightful oaths and generally do everything possible to aid Assignee, to perfect Assignee's right, title and interest in the Patents;
  - b. Assignors own all rights, title and interest in and to the Patents, and the inventions and improvements disclosed and/or claimed therein, free and clear of liens, security interests and other encumbrances;
  - c. Assignors have not, and agree will not, make any other assignments, grant any licenses, or enter into any other contract that would conflict with this Assignment;
  - d. to Assignors' knowledge the practice of the Patents does not and will not infringe, misappropriate, dilute or otherwise violate the intellectual property or other rights of any third party or violate any applicable regulation or law.
3. Entire Agreement. This Agreement constitutes the entire agreement between the Parties and supersedes any oral or written communications between the Parties. This Agreement may only be altered, changed, or modified by a written amendment signed by all Parties.

IN WITNESS WHEREOF, the parties hereto, with the intent to be legally bound hereby, have caused this Assignment to be duly executed as of the dates set forth below each party's signature.

ASSIGNEE

By:



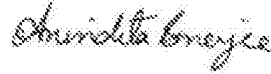
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(SIGNATURE)  
Name: Sunil Kumar Gupta  
Co-Founder and CEO  
QuNu Labs Pvt Ltd

Date: July 30, 2021

ASSIGNOR/INVENTOR

By:



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(SIGNATURE)  
Name: Anindita Banerjee



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(SIGNATURE)  
Name: Rajesh Kumar Krishnan

Date: July 30, 2021

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**STATEMENT UNDER 37 CFR 3.73(c)**Applicant/Patent Owner: QuNu Labs Pvt LtdApplication No./Patent No.: 17388705 Filed/Issue Date: 2021-07-29Titled: QUANTUM KEY DISTRIBUTION SYSTEM AND METHOD FOR PERFORMING DIFFERENTIAL PHASE SHIFT IN A QUANTUM NETWORKQuNu Labs Pvt Ltd, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1.  The assignee of the entire right, title, and interest.
2.  An assignee of less than the entire right, title, and interest (check applicable box):
- The extent (by percentage) of its ownership interest is \_\_\_\_\_%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.
- There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3.  The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4.  The recipient, via a court proceeding or the like (e.g., bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

- A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
- B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Anindita Banerjee To: QuNu Labs Pvt LtdThe document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.2. From: Rajesh Kumar Krishnan To: QuNu Labs Pvt LtdThe document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[Page 1 of 2]

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**PATENT**  
**REEL: 057084 FRAME: 0773**

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**STATEMENT UNDER 37 CFR 3.73(c)**

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

4. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

5. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

6. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached. Additional documents in the chain of title are listed on a supplemental sheet(s). As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Jason C. Cameron/

2021-08-05

Signature

Date

Jason C. Cameron

74396

Printed or Typed Name

Title or Registration Number

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## Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.