

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6554569

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
IONQ, INC.	02/16/2021
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Property Type	Number
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Application Number:	16518714
PCT Number:	US2019042982
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Total Attachments: 3	
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PATENT ASSIGNMENT

THIS AGREEMENT is between IonQ Inc., having a mailing address at 4505 Campus Dr., College Park, Maryland 20740 (hereinafter referred to as "IONQ" or "ASSIGNOR") and UNIVERSITY OF MARYLAND, COLLEGE PARK, having an address at Office of Technology Commercialization, 2130 Mitchell Bldg., 7999 Regents Drive, College Park, Maryland 20742 (hereinafter referred to as "UMD" or "ASSIGNEE").

WHEREAS, IONQ and UMD are currently listed as co-applicants on each of the patents listed in Schedule A, entitled "Laser Cavity Repetition Rate Tuning and High-Bandwidth Stabilization" (hereinafter the "PATENT APPLICATIONS");

WHEREAS, (i) Christopher Monroe of Columbia, Maryland; (ii) Kai Hudek of Hyattsville, Maryland; (iii) Jonathan Mizrahi of Silver Spring, Maryland; (iv) Marko Cetina of Berwyn Heights, Maryland; (v) Sarah Margaret Kreikemeier of Washington, D.C.; (vi) Michael Goldman of College Park, Maryland; and (vii) Kristin Beck of Livermore, California (hereinafter collectively referred to as the "INVENTORS"), are the named co-inventors of the PATENT APPLICATIONS;

WHEREAS, Christopher Monroe; Kai Hudek and Kristin Beck executed a Worldwide Assignment for U.S. 62/702,096 to IONQ and UMD, which was recorded on February 13, 2020, at Reel Frame No. 051811/0378 of the USPTO's Patent Assignment Database;

WHEREAS, Kai Hudek and Kristin Beck executed a Worldwide Assignment for U.S. 16/518,714 to IONQ, which was recorded on February 13, 2020, at Reel Frame No. 051811/0962 of the USPTO's Patent Assignment Database;

WHEREAS, Christopher Monroe; Kai Hudek and Kristin Beck, as employees of UMD, at the time of conception of the invention claimed in the PATENT APPLICATIONS were obligated, pursuant to the terms of his employment agreement with UMD, to assign all inventions resulting from their research and other work conducted in whole or in part on UMD's time or with significant use of UMD's funds or facilities;

WHEREAS, UMD is desirous of acquiring Christopher Monroe's, Kai Hudek's and Kristin Beck's entire right, title and interest in and to said PATENT APPLICATIONS, and IONQ is desirous of assigning and confirming UMD's ownership of all of Christopher Monroe's, Kai Hudek's and Kristin Beck's rights, title, and interest throughout the world in and to said PATENT APPLICATIONS;

NOW, THEREFORE, in consideration of the sum of ONE DOLLARS (\$1.00), the receipt sufficiency whereof are hereby acknowledged, and for other good and valuable consideration, IONQ agrees that to the extent that Christopher Monroe, Kai Hudek and Kristin Beck assigned any rights, title, and interest for said PATENT APPLICATIONS to IONQ by virtue of the assignments recorded at Reel Frame No. 051811/0378 and Reel Frame No. 051811/0962, IONQ hereby transfers, sells and assigns to UMD, all such rights, title, and

interest, if any, in said PATENT APPLICATIONS and all U.S. and foreign patent applications claiming priority thereto, including, but not limited to, all divisional applications, renewal applications, continuation applications, continuation-in-part applications, patent of addition applications, confirmation applications, PCT applications and national phase applications, validation applications, utility model applications, and design applications thereof, and all issued patents of which may have granted or may be granted hereafter thereon and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon in the United States and in any country or countries foreign to the United States.

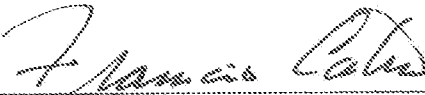
For clarity of the record, this Patent Assignment does not transfer or otherwise assign any of IONQ's right, title and interest in and to said PATENT APPLICATIONS that were assigned by Jonathan Mizrahi and Sarah Margaret Kreikemeier, and only transfers those rights, titles and interests of Christopher Monroe; Kai Hudek and Kristin Beck as described above;

And IONQ hereby authorizes and requests any Patent Office official in the United States and its territorial possessions and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to IONQ and UMD as CO-ASSIGNEES or CO-ASSIGNEES' designee for the sole use of CO-ASSIGNEES and CO-ASSIGNEES' successors and assigns, or other designee of each ASSIGNEE, to the full end of the term for which said Letters Patent may be granted.

IN WITNESS WHEREOF, this Patent Assignment is hereby effective as of the dates listed below.

IONQ INC.

Date: February 16, 2021


Name: Francisco Castro
Title: Chief IP Counsel

Schedule "A"

Country	Application No.	Filing Date	Registration No.	Issue Date	Status
U.S.	62/702,096	07/23/2018	N/A	N/A	Expired
U.S.	16/518,714	07/22/2019	N/A	N/A	Pending
PCT	PCT/US2019/42982	07/23/2019	N/A	N/A	Published