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PATENT ASSIGNMENT COVER SHEET

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| NATURE OF CONVEYANCE: | | ASSIGNMENT | ASSIGNMENT | |
| CONVEYING PARTY | ΔΤΑ | | | |
| | | Name | Execution Date | |
| DAVID SCHUSTER | | | 02/12/2022 | |
| AZIZA SULEYMANZAD |)E | | 02/11/2022 | |
| JONATHAN SIMON | | | 02/11/2022 | |
| ALEXANDER ANFERC | V | | 03/08/2022 | |
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| Application Number: Application Number: | | 17452654 63107987 | | |
| Application Number: | | 63107987 | | |
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ASSIGNMENT

Pursuant to our obligation to THE UNIVERSITY OF CHICAGO ("ASSIGNEE"), an Illinois not for profit corporation having its principal place of business at 5801 S. Ellis Avenue, Chicago, Illinois 60637, and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, we:

David Schuster Aziza Suleymanzade Jonathan Simon Alexander Anferov

("ASSIGNORS") confirm that we have sold, assigned, and conveyed unto ASSIGNEE, its successors, and assigns, or to the extent we have not yet sold, assigned, or conveyed, do hereby sell, assign, and convey unto ASSIGNEE, its successors, and assigns, our entire right, title, and interest -

(1) in and to an invention entitled "**Tunable high-Q superconducting mm-wave cavities for circuit and cavity QED experiments**" ("INVENTION") (UCHI 19-T-029) for which we have executed United States Non-Provisional Application 17/452,654 filed on 2021/10/28, entitled "**Millimeter-Wave Resonator and Associated Methods**" which claims the benefit of priority of United States Provisional Application 63/107,987 filed on 2020/10/30, entitled "**Tunable High-Q Superconducting MM-Wave Cavities for Circuit and Cavity QED Experiments**"; and

(2) in and to said United States patent applications, in and to all other patent applications (including additional Provisionals, US Utility, PCT, divisional, continuation, continuation-inpart, §111(b) provisional, §111(a), and reissue applications) based upon said invention, including the right to claim priority to said Provisional patent application and to all other applications based upon said invention, and in and to the patent or patents to be granted thereon, including reissues thereof, if any, to the full end of the term or terms for which said patent or patents may be granted. The effective date of this Assignment is 2019/02/27; and

(3) in and to all patent applications based on INVENTION now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said foreign applications to the full end of the term or terms for which said foreign patents may be granted; and

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PATENT REEL: 059290 FRAME: 0554 (4) in and to the right to claim the full benefits and priority rights under the International Convention (and any other international agreement to which the United States adheres) in and to any and all patent applications – both United States and foreign patent applications – based on INVENTION now or hereafter filed.

And we hereby agree that, under the International Convention, any United States patent application(s) and any foreign application(s) which may be filed shall be filed in the name of ASSIGNEE with a claim to priority based on said United States Application.

And we hereby agree that we will, upon request of ASSIGNEE, its successors, or assigns, and without further consideration to us, execute any and all papers that may be necessary – or deemed by ASSIGNEE, its successors, or assigns, to be necessary – to a complete fulfillment of the intents and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by ASSIGNEE, its successors, or assigns, and not by us.

And the Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said United States patent or patents to ASSIGNEE.

This agreement is binding upon the ASSIGNORS and their heirs, successors, and signs.

Feb 12, 2022 David Schuster Date **David Schuster** Feb 11, 2022 13, 2022 11:50 EST) Aziza Suleymanzade Date Feb 11, 2022 Ionathan Simon Date Jonathan Simon Mar 8, 2022 2022 09:10 CST) Date Alexander Anferov

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ACCEPTED:

Mar 8, 2022

1 William a Paymett

Date

Bill Payne Executive Director, Science and Technology Polsky Center for Entrepreneurship and Innovation The University of Chicago

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PATENT REEL: 059290 FRAME: 0556

RECORDED: 03/17/2022