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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LYNFORD L. GODDARD	11/07/2021
KIMANI C. TOUSSAINT	11/08/2021
PAUL V. BRAUN	11/05/2021
JINLONG ZHU	11/08/2021
DANIEL BACON-BROWN	11/05/2021
CHRISTIAN H. OCIER	11/06/2021
QING DING	11/08/2021
COREY RICHARDS	11/06/2021

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	16706173
Application Number:	62944554
Application Number:	62784427
Application Number:	62776636

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507012732 PATENT REEL: 058317 FRAME: 0699

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NAME OF SUBMITTER:	JUN CHENG	
SIGNATURE:	/Jun Cheng/	
DATE SIGNED:	12/07/2021	
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PATENT REEL: 058317 FRAME: 0700

ASSIGNMENT

WHEREAS Lynford L. Goddard, Kimani C. Toussaint, Paul V. Braun, Jinlong Zhu, Daniel Bacon-Brown, Christian H. Ocier, Qing Ding, and Corey Richards, hereinafter called the "Assignors", have made the invention set forth in the United States patent application entitled VOLUMETRIC OPTICAL INTEGRATED CIRCUITS, for a full description of which reference is here made to U.S. Patent Application Serial No. 16/706,173, filed on December 6, 2019, and to U.S. Provisional Patent Application Serial No. 62/944,554, filed on December 6, 2019; to U.S. Provisional Patent Application Serial No. 62/784,427, filed on December 22, 2018; and to U.S. Provisional Patent Application Serial No. 62/776,636, filed on December 7, 2018;

WHEREAS, <u>The Board of Trustees of the University of Illinois</u>, a body corporate and politic of the State of Illinois, organized and existing under the laws of the State of Illinois, having a place of business at <u>352 Henry Administration Building</u>, <u>506 S. Wright St., Urbana</u>, <u>Illinois 61801</u>, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent applications identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, continuations-in-part, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of U.S. Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment. IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED: November 7, 2021 Lynford Loddard

Lynford L. Goddard

DATED: 11/8/21 time-ton-to

Kimani C. Toussaint

DATED: November 5, 2021

Paul V. Braun

DATED: 11-08-202

Jinlong Zhu

DATED: Nov 5, 2021 W my Boom Bonn

Daniel Bacon-Brown

DATED: 11/6/2021	
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Christian H. Ocier

DATED: 11/8/202/

Qing Ding

DATED:	11/06/2021	Corey Richards
		Corey Richards

ASSIGNEE:

The Board of Trustees of the University of Illinois

By: Parl Ellinger Date: 12/7/2021

Name: Paul N. Ellinger

Title: Interim VP & CFO, Comptroller

Nathan Hoffmann, Signatory Delegate

Director of Office of Technology Management

RECORDED: 12/07/2021