506778921 07/21/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

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ARKA MAJUMDAR	01/27/2021

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Property Type	Number
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ATTORNEY DOCKET NUMBER:	3915-P1082US.UW	
NAME OF SUBMITTER:	ROSANNE F. CHOW	
SIGNATURE:	/Rosanne F. Chow/	
DATE SIGNED:	07/21/2021	

Total Attachments: 6

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> **PATENT** REEL: 056938 FRAME: 0875

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University of Washington

ASSIGNMENT OF INVENTION AND PATENT RIGHTS ("Assignment")

<u>Inventors</u>: Shane Colburn and Arka Majumdar

(hereinafter referred to as "INVENTORS")

Patent Application Serial No: 17/157,729

Filing Date: January 25, 2021

Title: SIMULTANEOUS FOCAL LENGTH CONTROL AND ACHROMATIC

COMPUTATIONAL IMAGING WITH QUARTIC METASURFACES

UW Reference No: 48534.02US2

WHEREAS: INVENTORS have invented, made, or discovered certain new and useful improvements in the following invention, entitled:

"SIMULTANEOUS FOCAL LENGTH CONTROL AND ACHROMATIC COMPUTATIONAL IMAGING WITH QUARTIC METASURFACES"

including all works, technology, and embodiments of the invention, heretofore conceived, made or discovered, whether jointly or severally, by said INVENTORS whether or not patentable and whether or not included in a patent application (hereinafter referred to as "INVENTIONS") for which Patent Application Serial Number 17/157,729 was filed on January 25, 2021.

ASSIGNORS: Shane Colburn and Arka Majumdar (hereinafter referred to as "ASSIGNORS")

<u>ASSIGNEE</u>: **University of Washington**, a public institution of higher education in the State of Washington, having a place of business at Seattle, Washington, (hereinafter referred to as "ASSIGNEE").

WHEREAS: ASSIGNEE is desirous of acquiring ASSIGNORS' entire rights, titles, and interests in, to, and under said INVENTIONS and in, to, and under any Letters Patent, patent applications (including all patent applications that share or claim the benefit, right of priority, and/or right to grant to or from the patent application(s), (hereinafter referred to as "Applications") under any international convention), inventor's certificates or similar legal protection to be obtained therefor in the United States and its territorial possessions, in any and all foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise (hereinafter referred to as "Patent(s)").

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged by ASSIGNORS:

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Patent Application Serial No: 17/157,729
Filing Date: January 25, 2021
UW Reference No: 48534.02US2

SIMULTANEOUS FOCAL LENGTH CONTROL AND ACHROMATIC COMPUTATIONAL

Title: IMAGING WITH QUARTIC METASURFACES

ASSIGNORS hereby do sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives and assigns, their entire rights, titles, and interests in and to: (a) said INVENTIONS; (b) said Applications, including the right to claim the benefit, right of priority, and/or right to grant to or from said Application(s); (c) each and every application that is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) said Patent(s) and each and every patent issuing or reissuing from any of the foregoing; (e) each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing; (f) each and every patent and application filed in the United States or filed outside the United States and corresponding to said INVENTIONS or claim the benefit, right of priority, and right to grant to or from the Applications or Patents; and (g) all claims for past, present and future infringement of the Patent(s), including all rights to sue for and to receive and recover for ASSIGNEE'S own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the Patent(s).

ASSIGNORS hereby authorize and request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the ASSIGNEE, or its successors and assigns, for the sole use of said ASSIGNEE, its successors, legal representatives and assigns.

ASSIGNORS hereby warrant, represent, and covenant that they have full right to convey the entire rights, titles, and interests herein sold, assigned, transferred, and set over and have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

ASSIGNORS hereby covenant and agree to promptly assist ASSIGNEES in obtaining, protecting, and maintaining patent or other proprietary rights for said INVENTIONS to the fullest extent in any country or jurisdiction, provided, however, that reasonable expenses incurred by ASSIGNORS in providing such assistance shall be paid for by ASSIGNEE

The undersigned hereby grant ASSIGNEE or ASSIGNEE'S law firm the power to insert on this Assignment any further identification that may be necessary in order to comply with the rules of the United States Patent Office and the Patent Offices, or equivalent thereof, of any and all foreign countries. The undersigned hereby acknowledge that this Assignment may be executed in counterparts with each party signing separate but identical copies of the same document. The signed copies will together form this Assignment.

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Patent Application Serial No: 17/157,729
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SIMULTANEOUS FOCAL LENGTH CONTROL AND ACHROMATIC COMPUTATIONAL

Title: IMAGING WITH QUARTIC METASURFACES

The terms and covenants of this Assignment shall inure to the benefit of said ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon said ASSIGNORS, their respective heirs, legal representatives and assigns.

IN WITNESS WHEREOF, said ASSIGNORS have executed and delivered this instrument to said Assignee as of the dates written below:

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Patent Application Serial No: 17/157,729 Filing Date: January 25, 2021 UW Reference No: 48534.02US2 SIMULTANEOUS FOCAL LENGTH CONTROL AND ACHROMATIC COMPUTATIONAL Title: IMAGING WITH QUARTIC METASURFACES Inventors: By signing below, each inventor asserts that they have read and agreed to the terms herein as originally provided by assignee and that they have not changed the assignment language. Arka Majumdar (Printed name) Executed at Kirkland (city), (state or country), WA, USA Dated: 1/27/2021 If printed name shown above is not your legal name, notify sender immediately and do not sign above. Page 6 of 6

Patent Application Serial No: 17/157,729
Filing Date: January 25, 2021
UW Reference No: 48534.02US2

Title: SIMULTANEOUS FOCAL LENGTH CONTROL AND ACHROMATIC COMPUTATIONAL

imaging with quartic metasurfaces

ACCEPTANCE BY ASSIGNEE:

RECEIVED AND AGREED TO BY ASSIGNEE: University of Washington

Date: 6/16/2021

Signature: / Patrick (Linkiwsky

EA38800F1FD0493...

Printed Name: Patrick Chinkiwsky

Title: <u>Patent Portfolio Manager-University of Washingt</u>on
