PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6178877

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MOHAMMAD ALI KHATIBZADEH	02/26/2018
ARUNESH GOSWAMI	02/26/2018
MORTEZA ABBASI	02/26/2018

RECEIVING PARTY DATA

Name:	LUMEOVA, INC.	
Street Address:	1017 MAIN CAMPUS DRIVE	
Internal Address:	SUITE 2300	
City:	RALEIGH	
State/Country:	NORTH CAROLINA	
Postal Code:	27606	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16916510

CORRESPONDENCE DATA

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Address Line 2: **SUITE 275**

Address Line 4: RALEIGH, NORTH CAROLINA 27606

ATTORNEY DOCKET NUMBER:	580/6/3 UTIL	
NAME OF SUBMITTER:	TAYLOR MURPHY	
SIGNATURE:	/Taylor Murphy/	
DATE SIGNED:	06/30/2020	

Total Attachments: 3

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PATENT REEL: 053089 FRAME: 0320 506132150

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PATENT REEL: 053089 FRAME: 0321

DECLARATION AND ASSIGNMENT OF RIGHTS

As a below named inventor (hereinafter designated as the undersigned or the Assignor, where appropriate), I hereby declare that:

The application is as identified by the attorney docket number, title, Filing Date, or Application Title as set forth in the following Table I.

The application in Table I was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the applications in Table I.

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, the undersigned, Mohammad Ali Khatibzadeh, Arunesh Goswami and Morteza Abbasi. (hereinafter "Assignor") has invented certain new and useful improvements described in the application(s) identified in Table I.

AND, WHEREAS, Lumeova, Inc., having a place of business at 1017 Main Campus Drive, Suite 2300, Raleigh, NC 27606, (hereinafter "Assignee"), has already acquired an interest in the application(s) identified in Table I by and through an employment or other agreement between Assignor and Assignee. I further authorize an agent of the Assignee to insert the filing date, application number, and any other identifying particulars as required for perfecting these assignment papers.

However, in the avoidance of doubt and as confirmation of the already acquired interest by Assignee, NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has assigned and by these presents does hereby sell, assign, transfer, and convey unto the Assignee, its successors and assigns, his entire right, title, and interest in and to the invention and application, including the right to sue for past infringements and any other prior occurring rights, provided any such rights exist, and in and to any and all domestic and foreign patent applications filed on the invention, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America, and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with his right to claim the priority of said application in all foreign countries in accordance with the International

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Convention, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and

entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not

been made. Assignor further assigns to Assignee the right to claim entitlement and/or priority to any

applications that entitlement or priority may be claimed for this or any later filed application, including

the assignment of any provisionals or other priority documents to which the inventions claim priority to,

The assignment of the right to claim entitlement and/or priority is executed nune pro tune and is

considered effective as of the filing date of the earliest application to which priority and/or entitlement is

claimed.

Assignor hereby requests that said Letters Patent be issued in accordance with this assignment.

Assignor further covenants and agrees that, at the time of the execution and delivery of these

presents, Assignor possesses full title to the invention and application above-mentioned, and that he has

the unencumbered right and authority to make this assignment.

Assignor further covenants and agrees, and likewise binds his heirs, legal representatives and

assigns, to promptly communicate to said Assignce or its representatives any facts known to him relating

to said invention, to testify in any interference or legal proceedings involving said invention, to execute

any additional papers which may be requested to confirm the right of the Assignee, its representatives.

successors and assigns to secure patent or similar protection for the said invention in all countries and to

vest in the Assignee complete title to the said invention and Letters Patent, without further compensation,

but at the expense of said Assignee, its successors, assigns and other legal representatives.

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TABLE I and Signature Page follows

TABLE I

Application No.	Attorney Docket No.	Filing Date	Title
62/634,958	580/6 PROV	February 26, 2018	Methods, Devices, and Systems for Integration, Beam Forming and Steering of Ultra-Wideband, Wireless Optical Communication Devices and Systems

Executed this 26th day of February , 20)18,
	M. Ali Khātīzadel
	Mohammad Ali Khatibzadeh
	4 Gesarin
	Arunesh Goswami
	_0//htpA/c
	Morteza Abbasi 🥢
	(Assignors)
Executed this 26th day of February . 20	18.
	LUMEOVA, INC.
	M. Ali Khattzadel
	Mohammad Ali Khatibzadeh Name:
	Title: President & CEO
	(Assignee)

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