### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
KENNETH D SINGER	08/06/2020
IRINA SHIYANOVSKAYA	07/28/2020
ASHER SUSSMAN	08/07/2020
THOMAS MILSTER	08/04/2020
YOUNG-SIK KIM	07/23/2020

#### RECEIVING PARTY DATA

Name:	FOLIO PHOTONICS INC.
Street Address:	6864 COCHRAN RAOD
City:	SOLON
State/Country:	OHIO
Postal Code:	44139

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16910389

#### **CORRESPONDENCE DATA**

**Fax Number:** (216)241-0816

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 2166228844

Email: ipdocket@calfee.com

Correspondent Name: SEAN T. MOORHEAD

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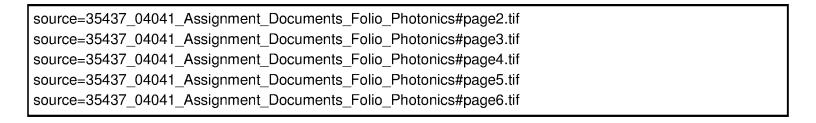
ATTORNEY DOCKET NUMBER:	35437.04041
NAME OF SUBMITTER:	SEAN T. MOORHEAD
SIGNATURE:	/Sean T. Moorhead/
DATE SIGNED:	08/13/2020

**Total Attachments: 6** 

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PATENT REEL: 053484 FRAME: 0699

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PATENT REEL: 053484 FRAME: 0700

Attorney Docket No.: 35437,04041, 04042

## ASSIGNMENT

This Assignment is made and entered into by and between (1) Kenneth D. Singer, residing at 29450 Edgedale Rd. Pepper Pike, OH 44124; (2) Irina Shiyanovskaya, residing at 4798 Heights Dr., Stow OH 44224; (3) Asher Sussman, residing at 265 Washington Dr., Northfield, OH 44067; (4) Thomas Milster, residing at 5021 West Nighthawk Way; Tucson, Arizona 85742; (5) Young-Sik Kim, residing at 10738 E Red Sage St. Tucson, AZ 85747; (collectively hereinafter "INVENTORS"), and Folio Photonics Inc., with its principal place of business at 6864 Cochran Road, Solon, Ohio 44139 (hereinafter referred to as "FOLIO PHOTONICS").

Whereas, INVENTORS have invented certain inventions described in (a) U.S. Patent Application Serial No. 16/910,389, filed on June 24, 2020 and entitled Systems and Methods FOR INCREASING DATA RATE AND STORAGE DENSITY IN 3-DIMENSIONAL OPTICAL DATA STORAGE MEDIA, and (b) World Patent Application No. PCT/US20/39288, filed on June 24, 2020 with the same title, both of which claim priority to/the benefit of U.S. Ser. No. 62/865,575 (collectively, "the Patent Application"); and

Whereas, FOLIO PHOTONICS desires to acquire the entire right, title and interest in said applications and inventions, and to any United States and foreign patents to be obtained therefor, and

Now, therefore, for good and valuable consideration, receipt of which is hereby acknowledged:

1. INVENTORS hereby sell, assign, and transfer to FOLIO PHOTONICS, its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the Patent Application, the inventions set forth in the Patent Application, any and all other applications for Letters Patent on said inventions in the United States and in countries foreign to the United States, including all conversion, provisional, non-provisional, divisional, renewal, extension, reexamination, substitute, continuation, continuation-in-part, reissue, and Convention applications based in whole or in part upon said inventions or upon said applications, or claiming the benefit or priority thereof, and any and all Letters Patent and reissues and extension of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent.

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2. FOLIO PHOTONICS is hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the INVENTORS or in the name of FOLIO PHOTONICS or otherwise as FOLIO PHOTONICS may deem advisable, under the International Convention or otherwise.

- 3. The Commissioner of Patents of the United States of America and the empowered officials of all other governments are hereby authorized to issue or transfer all said Letters Patent to FOLIO PHOTONICS in accordance herewith.
- 4. This Assignment is being made under covenant, not only that full power to make the same is had by the INVENTORS, but also that, at the time of execution of this Assignment, such assigned right is not encumbered by any grant, license, governmental restriction, or other right heretofore given.
- The INVENTORS agree that they will do all acts reasonably serving to assure that said inventions, patent applications and Letters Patent shall be held and enjoyed by FOLIO PHOTONICS as fully and entirely as the same could have been held and enjoyed by the INVENTOR if this Assignment had not been made, and particularly to execute and deliver to FOLIO PHOTONICS all lawful documents including without limitation petitions, specifications, oaths, assignments, invention disclaimers, lawful affidavits, and declarations in form and in substance which may be requested by FOLIO PHOTONICS, to furnish FOLIO PHOTONICS with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to cooperate with FOLIO PHOTONICS and counsel and testify in any proceedings relating to said inventions, patent applications and Letters Patent.
- 6. INVENTORS hereby request that FOLIO PHOTONICS or its counsel enter or correct the date(s) of execution of the afore-referenced Patent Application, and enter or correct the Application Serial No. if available, prior to recording this assignment, to have the same effect as if entered prior to execution of this Assignment.
- INVENTORS agree that this Assignment shall be construed in accordance with the laws and courts of Ohio. INVENTORS hereby also agree to submit to the jurisdiction of any Ohio court.

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Signature:

(1) First Named Inventor	
Con this 6 day of Acquist, 202	20, personally appeared before me, <b>Kenneth D</b> .
and an analytic	d in and who executed the above instrument, and
acknowledged to me that he executed the still it	for the uses and the purposes therein mentioned.
Date: 8/6/2020	Notary Public
(2) Second Named Inventor	
Suyanahay	
	07.28.2020
Irina Shiyanovskaya	DATE TO A DECEMBER OF THE PROPERTY OF THE PROP
On this 28 day of Josy	2020, personally appeared before me, Irina
Shiyanovskaya, to me known to be the person	named in and who executed the above instrument,
and acknowledged to me that he executed	the same for the uses and the purposes therein
mentioned. $\frac{7/28/7070}{}$	Jace 6 Ala 6 Notary Public
	**************************************

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# (3) Third Named Inventor

Asher Sussman	Aug 7th 2020 DATE
On this, 2020, pe	ersonally appeared before me, Asher Sussman, to
me known to be the person named in and who ex	
to me that he executed the same for the uses and	the purposes therein mentioned.
Pins Pins	Smis Octors lotary Public Notary Public Notary Public Notary Public
Thomas Milster	DATE
On this day of, 2020, put to me known to be the person named in a acknowledged to me that he executed the same for	and who executed the above instrument, and
	Notary Public

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# (3) Third Named Inventor

Asher Sussman	DATE
On this day of	, 2020, personally appeared before me, Asher Sussman, to
me known to be the person r	med in and who executed the above instrument, and acknowledged
to me that he executed the sa	e for the uses and the purposes therein mentioned.
	Notary Public
(4) Fourth Named Invento	
Momas Milatu Thomas Milster	8/4/2020 DATE
to me known to be the	, 2020, personally appeared before me, Thomas Milster, arson named in and who executed the above instrument, and executed the same for the uses and the purposes therein mentioned.
acknowledged to me that he	(1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	STANLY BLAND NOTARY PUBLIC - ARIZONA PINA County Commission # 579777 My Commission Expires December 8, 2023

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## (5) Fifth Named Inventor

Young-Sik Kim

7/23/2020 DATE

On this 23rd day of 5014, 2020, personally appeared before me. Young-Sik Kim, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Notary Public

CORAIMA C AGUAYO
Notary Public - Arizona
Pima County
Commission # 553743
My Comm. Expires Oct 25, 2022