

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
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PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	17380862
PCT Number:	US2021042401
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DATE SIGNED:	09/02/2021
Total Attachments: 3	
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ASSIGNMENT OF INVENTION AND PATENT RIGHTS

Inventors: Frauke Henrike Rininsland, Daniel James Kane

U.S. Application No.: 17/380,862 **Filing Date:** July 20, 2021

PCT Application No.: PCT/US2021/042401 **Filing Date:** July 20, 2021

For valuable consideration received or to be received, and hereby acknowledged, Frauke Henrike Rininsland of Santa Fe, New Mexico; and Daniel James Kane of Santa Fe, New Mexico (hereinafter referred to as "Inventors"), hereby sell, assign and transfer unto Mesa Photonics, LLC of 1550 Pacheco Street, Santa Fe, New Mexico 87505, its successors and assigns (hereinafter referred to as "Assignee"), the entire interest for the United States of America and all foreign countries, including all rights of priority under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and other treaties of like purposes, and all rights and benefits under any applicable treaty in and to a certain invention or improvement known and described in applications as follows:

1) *Method for Pathogen Identification*, filed in the United States Patent and Trademark Office on July 20, 2021, as Attorney Docket No. 33630-P-UT, and given U.S. Patent Application No. 17/380,862, which claims priority to U.S. Provisional Patent Application No. 63/053,964 filed on July 20, 2020; and

2) *Method for Pathogen Identification*, filed in the U.S. Receiving Office for the Patent Cooperation Treaty on July 20, 2021, as Attorney Docket No. 33630-P-PCT, and given Patent Cooperation Treaty Application No. PCT/US2021/042401, which claims priority to U.S. Provisional Patent Application No. 63/053,964 filed on July 20, 2020;

and in all Letters Patent of the United States and all foreign countries including without limitation utility models, inventor's certificates and designs which may or shall be granted on said invention, or any parts thereof, or on said application, or on any US national application (provisional, non-provisional, divisional, continuation, continuation-in-part, reissue, reexamination), international applications and foreign applications or other applications based in whole or in part thereon. And Inventors agree hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper in Assignee's sole discretion, to secure to Assignee the grant of Letters Patent in the United States and legal equivalents in foreign countries as Assignee may determine in its sole discretion, with specifications and claims in such form as shall be approved by Assignee's counsel, and to vest and confirm in Assignee the legal and equitable title and full use and benefit of all such patents.


Inventors further agree with Assignee that this Assignment covers all processes, specifications, procedures, techniques and other knowledge and information now or hereafter known to Inventors which are not in the public domain and which relate to the above-mentioned invention or improvement, its manufacture, uses or embodiments, or other matters (the "Related Know-How"). Inventors agree to disclose or provide all Related Know-How to Assignee when discovered or upon request.

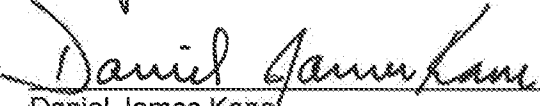
Inventors further covenant that Inventors will promptly provide to Assignee, upon its request, with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to Inventors and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to Assignee or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said legal equivalents in foreign countries which may be necessary or desirable to carry out the purposes thereof.

Inventors' rights in the above-mentioned invention or improvement and Related Know-How and any patent application(s) and Letters Patent and legal equivalents in foreign countries thereon have not been previously assigned, mortgaged or otherwise encumbered, and Inventors have full right, power and authority to assign all such rights to Assignee hereunder.

As used herein, the terms "Inventors" and "Assignee" shall include such parties and their heirs, administrators, estates, successors and assigns of every kind.

Inventors hereby authorize and request the Director of the United States Patent and Trademark Office, and all foreign countries' equivalent officials, to issue such Letters Patent as shall be granted on said application or applications based thereon to Assignee.

DATED this 30th day of August, 2021

Frauke Henrike Rininstand

DATED this 30th day of August, 2021

Daniel James Kane