PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT8063749

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS MOORE	04/30/2021
KURT RETHERFORD	05/03/2021
CHARITY PHILLIPS-LANDER	04/30/2021

RECEIVING PARTY DATA

Name:	SOUTHWEST RESEARCH INSTITUTE
Street Address:	6220 CULEBRA RD.
City:	SAN ANTONIO
State/Country:	TEXAS
Postal Code:	78238

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17245932

CORRESPONDENCE DATA

Fax Number: (617)309-2601

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: 8573832686

Email: kwalmsley@verrill-law.com

WILLIAM F. RYANN **Correspondent Name:**

Address Line 1: ONE FEDERAL STREET, 20TH FLOOR Address Line 4: BOSTON, MASSACHUSETTS 02110

ATTORNEY DOCKET NUMBER:	20694-0301 (P750-01)
NAME OF SUBMITTER:	WILLIAM F. RYANN
SIGNATURE:	/William F. Ryann/
DATE SIGNED:	07/18/2023

Total Attachments: 3

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PATENT REEL: 064300 FRAME: 0458 508016599

ASSIGNMENT OF PATENT APPLICATION

Whereas, I, Thomas Moore, of 6515 Pemwoods, San Antonio, Tx 78240, hereafter referred to as "applicant", am in the employ of Southwest Research Institute of 6220 Culebra Rd., San Antonio, Texas 78238 and have invented certain new and useful improvements in a Integrating Cavity of Monolithic Furned Silica.

Whereas, my employer, Southwest Research Institute, hereafter referred to "assignee", in accordance with its ongoing contractual relationship with myself, is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, for good and valuable consideration, the sufficiency of which is hereby acknowledged, i, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the inventions in the designated Applications and the entire rights, title and interest in and to any and all Patents which may be granted therefore within and beyond the United States. This includes any rights attainable from any Continuation, Continuation-In-Part, Divisional or any other Application claiming priority to Applications noted herein including within and beyond the United States. In this regard, I hereby authorize and request the appropriate USPTO or other appropriate personnel within or beyond the United States to issue patents and other official documents to said assignee, of the entire right, title, and interest in and to the same, for the assignee's sole use and behoof; and for the use and behoof of assignee's legal representatives, to the full end of the term for which said patents may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this	30 **	day of	_April_	, 2021	at San Antonio,	Texas
Thomas ?	y municipal contraction of the c	w.				
Thomas Moore 🧳		CONTRACTOR OF THE PARTY OF THE				

PATENT REEL: 064300 FRAME: 0459

ASSIGNMENT OF PATENT APPLICATION

Whereas, I, Kurt Retherford, of 526 Brightwood PL, San Antonio, Tx 78209, hereafter referred to as "applicant", am in the employ of Southwest Research Institute of 6220 Culebra Rd., San Antonio, Texas 78238 and have invented certain new and useful improvements in a Integrating Cavity of Monolithic Furned Silica.

Whereas, my employer, Southwest Research Institute, hereafter referred to "assignee", in accordance with its ongoing contractual relationship with myself, is desirous of acquiring the entire right, title and interest in the same:

Now, therefore, for good and valuable consideration, the sufficiency of which is hereby acknowledged, I, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the inventions in the designated Applications and the entire rights, title and interest in and to any and all Patents which may be granted therefore within and beyond the United States. This includes any rights attainable from any Continuation, Continuation-in-Part, Divisional or any other Application claiming priority to Applications noted herein including within and beyond the United States. In this regard, I hereby authorize and request the appropriate USPTO or other appropriate personnel within or beyond the United States to issue patents and other official documents to said assignee, of the entire right, title, and interest in and to the same, for the assignee's sole use and behoof; and for the use and behoof of assignee's legal representatives, to the full end of the term for which said patents may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this _	3~1	day of May	, 2021 at San Antonio, Texa	38
Kust R	Th/w/			
Kurt Retherford	*			

PATENT REEL: 064300 FRAME: 0460

ASSIGNMENT OF PATENT APPLICATION

Whereas, I, Charity Phillips-Lander, of 2037 Wilby Lane, San Antonio, Tx 78253, hereafter referred to as "applicant", am in the employ of Southwest Research Institute of 6220 Culebra Rd., San Antonio, Texas 78238 and have invented certain new and useful improvements in a Integrating Cavity of Monolithic Furned Silica.

Whereas, my employer, Southwest Research Institute, hereafter referred to "assignee", in accordance with its ongoing contractual relationship with myself, is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, for good and valuable consideration, the sufficiency of which is hereby acknowledged, i, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the inventions in the designated Applications and the entire rights, title and interest in and to any and all Patents which may be granted therefore within and beyond the United States. This includes any rights attainable from any Continuation, Continuation-In-Part, Divisional or any other Application claiming priority to Applications noted herein including within and beyond the United States. In this regard, I hereby authorize and request the appropriate USPTO or other appropriate personnel within or beyond the United States to issue patents and other official documents to said assignee, of the entire right, title, and interest in and to the same, for the assignee's sole use and behoof; and for the use and behoof of assignee's legal representatives, to the full end of the term for which said patents may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 30th day of 47/ 2021 at San Antonio, Texas.

Charity Phillips-Lander

PATENT REEL: 064300 FRAME: 0461

RECORDED: 07/18/2023