# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7190979

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
STEPHEN B. CRONIN	01/20/2022
MARTIN A. GUNDERSEN	01/28/2022
SRIRAM SUBRAMANIAN	02/07/2022
VYAAS GURURAJAN	04/02/2020
SISI YANG	03/31/2020
CHRISTI SCHROEDER	02/09/2022
FOKION EGOLFOPOULOS	03/31/2020
TOM HUISKAMP	01/26/2022

### **RECEIVING PARTY DATA**

Name:	UNIVERSITY OF SOUTHERN CALIFORNIA
Street Address:	1150 South Olive Street
Internal Address:	Suite 2300
City:	Los Angeles
State/Country:	CALIFORNIA
Postal Code:	90015

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

Property Type	Number
Application Number:	17437772

### **CORRESPONDENCE DATA**

**Fax Number:** (213)629-6001

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.

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Email: lapatentmb@nixonpeabody.com

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ATTORNEY DOCKET NUMBER: 065715-000098US00

NAME OF SUBMITTER: LINDA B. HUBER

PATENT

507144135 REEL: 059079 FRAME: 0094

SIGNATURE:	/Linda B. Huber/	
DATE SIGNED:	02/23/2022	
Total Attachments: 16		
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PATENT REEL: 059079 FRAME: 0095

WHEREAS, we, Stephen B. CRONIN, Martin A. GUNDERSEN, Alec NYSTROM, Sriram

SUBRAMANIAN, Vyaas GURURAJAN, Sisi YANG, Christi SCHROEDER, Fokion

EGOLFOPOULOS, Haotian SHI and Tom HUISKAMP (hereinafter referred to as

ASSIGNORS), along with William SCHROEDER are joint inventors of an invention entitled

"SYSTEMS AND METHODS FOR PLASMA-BASED REMEDIATION OF SOx AND NOx",

as described and claimed in the specification forming part of International Patent Application No.

PCT/US2020/022189 filed March 11, 2020, which claims priority to U.S. Provisional Patent

Application No. 62/816,589 filed March 11, 2019, U.S. Provisional Patent Application No.

62/816,694 filed March 11, 2019 and U.S. Provisional Patent Application No. 62/944,970 filed

December 6, 2019; and

WHEREAS, UNIVERSITY OF SOUTHERN CALIFORNIA (hereinafter referred to as

ASSIGNEE), having a place of business at 1150 South Olive Street, Suite 2300, Los Angeles,

California 90015, is desirous of acquiring the entire right, title and interest in and to the invention

and in and to any letters patent that may be granted therefor in the United States and in any and all

foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which

is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the

entire right, title and interest in and to said invention, said application and any and all letters patents

which may be granted for said invention in the United States of America and its territorial

possessions and in any and all foreign countries, and in any and all divisions, reissues and

continuations thereof, including the right to file foreign applications directly in the name of

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foreign applications are entitled by virtue of international convention, treaty or otherwise, said

invention, application and all letters patents on said invention to be held and enjoyed by ASSIGNEE

and its successors and assigns for their use and benefit and of their successors and assigns as fully

and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment,

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agree to execute all instruments and documents required for the making and prosecution of

1/20/2022	By
Date	Stephen B. Cronin
Date	By Martin A. Gundersen
Date	Alec Nystrom
Date	By Sriram Subramanian
Date	By Vyaas Gururajan
Date	BySisi Yang
Date	By Christi Schroeder
Date	By Fokion Egolfopoulos
Date	By Haotian Shi
Date	By Tom Huiskamp

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	By
Date	By Stephen B. Cronin
<u>Jan 28 2022</u> Date	By Wall S Jan.  Martin A. Gundersen
Date	ByAlec Nystrom
Date	By Sriram Subramanian
Date	By Vyaas Gururajan
Date	By Sisi Yang
Date	By Christi Schroeder
Date	By Fokion Egolfopoulos
Date	By Haotian Shi
Date	By Tom Huiskamp

WHEREAS, we, Stephen B. CRONIN, Martin A. GUNDERSEN, Alec NYSTROM, Sriram SUBRAMANIAN, Vyaas GURURAJAN, Sisi YANG, Christi SCHROEDER, Fokion EGOLFOPOULOS, Hantian SHI and Tom HUISKAMP (hereinafter referred to as ASSIGNORS), along with William SCHROEDER are joint inventors of an invention entitled "SYSTEMS AND METHODS FOR PLASMA-BASED REMEDIATION OF SOx AND NOx", as described and claimed in the specification forming part of International Patent Application No. PCT/US2020/022189 filed March 11, 2020, which claims priority to U.S. Provisional Patent Application No. 62/816,589 filed March 11, 2019, U.S. Provisional Patent Application No. 62/816,694 filed March 11, 2019 and U.S. Provisional Patent Application No. 62/944,979 filed December 6, 2019; and

WHEREAS, UNIVERSITY OF SOUTHERN CALIFORNIA (hereinafter referred to as ASSIGNEE), having a place of business at 1150 South Olive Street, Suite 2300, Los Angeles, California 90015, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patents which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the number of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patents on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner for Patents and Trademarks to issue all letters patents on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of

Page 1 of 2

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## Assignment for Application No. PCT/US2020/022189 filed March 11, 2020

applications for United States and foreign letters patents on said invention, for litigation regarding said letters patents, or for the purpose of protecting title to said invention or letters patents therefor.

	$\mathbf{p}_{\mathbf{v}}$
Date	By
Date	By Martin A. Gundersen
Date	By Alec Nystrom
February 7, 2022 Date	By Sriram Subramanian
Date	By Vyaas Gururajan
Date	By Sisi Yang
Date .	By Christi Schroeder
Date	By Fokion Egolfopoulos
Date	By Haotian Shi
Date	By

Page 2 of 2

WHEREAS, we, Stephen B. CRONIN, Martin A. GUNDERSEN, Alec NYSTROM, Sriram

SUBRAMANIAN, Vyaas GURURAJAN, Sisi YANG, Christi SCHROEDER, Fokion

Haotian SHI and Tom HUISKAMP (hereinafter referred to as EGOLFOPOULOS,

ASSIGNORS), along with William SCHROEDER are joint inventors of an invention entitled

"SYSTEMS AND METHODS FOR PLASMA-BASED REMEDIATION OF SOX AND NOX",

as described and claimed in the specification forming part of International Patent Application No.

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	By
Date	By Stephen B. Cronin
Date	By Martin A. Gundersen
Date	ByAlec Nystrom
Date	By Sriram Subramanian
April 2, 2020  Date	By Vyaas Gururajan
Date	BySisi Yang
Date	ByChristi Schroeder
Date	ByFokion Egolfopoulos
Date	By Haotian Shi
Date	By Tom Huiskamp

WHEREAS, we, Stephen B. CRONIN, Martin A. GUNDERSEN, Alec NYSTROM, Sriram

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Page 1 of 2

REEL: 059079 FRAME: 0104

	Bv
Date	By Stephen B. Cronin
Date	By By
Date	ByAlec Nystrom
Date	BySriram Subramanian
Date	By Vyaas Gururajan
3.31.2020 Date	By Sisi Yang
Date	ByChristi Schroeder
Date	By Fokion Egolfopoulos
Date	By Haotian Shi
Date	By Tom Huiskamp

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02/09/2022 Date	By Christi Schroeder
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Date	By Haotian Shi
Date	By <b>Tom Huiskamp</b>

WHEREAS, we, Stephen B. CRONIN, Martin A. GUNDERSEN, Alec NYSTROM, Sriram SUBRAMANIAN, Vyaas GURURAJAN, Sisi YANG, Christi SCHROEDER, Fokion EGOLFOPOULOS, Haotian SHI and Tom HUISKAMP (hereinafter referred to as ASSIGNORS), along with William SCHROEDER are joint inventors of an invention entitled "SYSTEMS AND METHODS FOR PLASMA-BASED REMEDIATION OF SOx AND NOx", as described and claimed in the specification forming part of International Patent Application No. PCT/US2020/022189 filed March 11, 2020, which claims priority to U.S. Provisional Patent Application No. 62/816,589 filed March 11, 2019, U.S. Provisional Patent Application No. 62/816,694 filed March 11, 2019 and U.S. Provisional Patent Application No. 62/944,970 filed December 6, 2019; and

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# Assignment for Application No. PCT/US2020/022189 filed March 11, 2020

	By
Date	By Stephen B. Cronin
Date	By Martin A. Gundersen
Date	ByAlec Nystrom
<b>2</b>	
Date	By Sriram Subramanian
Date	By Vyaas Gururajan
Date	BySisi Yang
Date	ByChristi Schroeder
3/31/2020 Date	By F. Egolfopoulos  Fokion Egolfopoulos
	By
Date	Haotian Shi
Date	By Tom Huiskamp

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01-26-2022 Date	By Tom Huiskamp
Date	A VIII AAMDIMIID

Page 2 of 2