

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT7445259

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KIRK G. SCHECKEL	07/11/2022
RANJU R. KARNA	07/11/2022
CHARLES R. PARTRIDGE	06/29/2022
KAREN D. BRADHAM	07/11/2022
DAVID JAMES THOMAS	06/30/2022
MATTHEW R. NOERPEL	07/11/2022
JENNIFER LYNN GOETZ	07/19/2022
TODD PETER LUXTON	07/15/2022
TYLER DALE SOWERS	07/17/2022
RECEIVING PARTY DATA	
Name:	UNITED STATES GOVERNMENT, AS REPRESENTED BY THE ADMINISTRATOR OF THE U.S. EPA
Street Address:	1200 PENNSYLVANIA AVE, N.W.
City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20460
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17814172
CORRESPONDENCE DATA	
Fax Number:	(971)271-8021
<i>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.</i>	
Phone:	9712718020
Email:	patentcomm@mccrus.com
Correspondent Name:	MCCOY RUSSELL LLP
Address Line 1:	1410 NW JOHNSON ST., STE 201
Address Line 4:	PORTLAND, OREGON 97209
ATTORNEY DOCKET NUMBER:	EPA21303CIP1
NAME OF SUBMITTER:	MARIE DOSICK

PATENT

SIGNATURE:	/Marie Dosick/
DATE SIGNED:	07/21/2022
Total Attachments: 7 source=Assignment_EPA21303CIP1#page1.tif source=Assignment_EPA21303CIP1#page2.tif source=Assignment_EPA21303CIP1#page3.tif source=Assignment_EPA21303CIP1#page4.tif source=Assignment_EPA21303CIP1#page5.tif source=Assignment_EPA21303CIP1#page6.tif source=Assignment_EPA21303CIP1#page7.tif	

ASSIGNMENT

WHEREAS, we, the following named inventors:

1. **Kirk G. Scheckel**, residing in Cincinnati, Ohio, United States;
2. **Ranju R. Karna**, residing in Clinton, Missouri, United States;
3. **Charles R. Partridge**, residing in Commerce City, Colorado, United States;
4. **Karen D. Bradham**, residing in Apex, North Carolina, United States;
5. **David James Thomas**, residing in Chapel Hill, North Carolina, United States;
6. **Matthew R. Noerpel**, residing in Cincinnati, Ohio, United States;
7. **Jennifer Lynn Goetz**, residing in Petersburg, Kentucky, United States;
8. **Todd Peter Luxton**, residing in Cincinnati, Ohio, United States; and
9. **Tyler Dale Sowers**, residing in Apex, North Carolina, United States,

have invented an invention entitled **METHOD FOR SEQUESTERING IONS IN AN ENVIRONMENTAL MATRIX**, for which we have executed an application for Letters Patent of the United States (check one):

- () on the date we executed this assignment;
- (X) as U.S. Patent Application No. 17/814,172, filed July 21, 2022 ;
- () as International Application No. PCT/, filed _____;

We authorize the attorneys at McCoy Russell LLP (Customer Number 145572) to insert the filing date and application number of said application when known.


WHEREAS **United States Government, as represented by the Administrator of the U.S. EPA**, (“Assignee”), a United States agency, having its principal place of business at the William Jefferson Clinton Building at 1200 Pennsylvania Ave, N.W., Washington DC 20460, is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, the above named inventors, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto Assignee, the full and exclusive right to the above-identified invention in the United States and its territorial possessions and in all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries, and in and to any and all divisions, reissues, continuations and extensions thereof, and all priority rights under all present or future conventions and treaties, and any provisional applications for which priority is claimed.

We hereby authorize and request the Patent Office officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to Assignee, as the assignee of my entire right, title and interest in and to the same, for the sole use of the Assignee, its successors and assigns.

Further, we agree that we will communicate to Assignee, or its representatives, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to Assignee, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, we have hereunto set our hands on the date indicated below.

1. Inventor Name: Kirk G. Scheckel Signature:  KIRK SCHECKEL Date: July 11, 2022
2. Inventor Name: Ranju R. Karna Signature: _____ Date: _____
3. Inventor Name: Charles R. Partridge Signature: _____ Date: _____

ASSIGNMENT

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3. **Charles R. Partridge**, residing in Commerce City, Colorado, United States;
4. **Karen D. Bradham**, residing in Apex, North Carolina, United States;
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6. **Matthew R. Noerpel**, residing in Cincinnati, Ohio, United States;
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IN TESTIMONY WHEREOF, we have hereunto set our hands on the date indicated below.

1. Inventor Name: Kirk G. Scheckel Signature: _____ Date: _____

2. Inventor Name: Ranju R. Karna Signature: KARNA.RANJU.RANI.155 Digitally signed by
3726200 KARNA.RANJU.RANI.1553726200
Date: 2022.07.11 14:14:14 -0500 Date: _____

3. Inventor Name: Charles R. Partridge Signature: _____ Date: _____

ASSIGNMENT

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2. **Ranju R. Karna**, residing in Clinton, Missouri, United States;
3. **Charles R. Partridge**, residing in Commerce City, Colorado, United States;
4. **Karen D. Bradham**, residing in Apex, North Carolina, United States;
5. **David James Thomas**, residing in Chapel Hill, North Carolina, United States;
6. **Matthew R. Noerpel**, residing in Cincinnati, Ohio, United States;
7. **Jennifer Lynn Goetz**, residing in Petersburg, Kentucky, United States;
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1. Inventor Name: Kirk G. Scheckel Signature: _____ Date: _____

2. Inventor Name: Ranju R. Karna Signature: _____ Date: _____

3. Inventor Name: Charles R. Partridge Signature: Partridge, Charles  Date: _____

KAREN

Digitally signed by KAREN
BRADHAM
Date: 2022.07.11 14:26:41
-0400

4. Inventor Name: Karen D. Bradham Signature: BRADHAM Date: _____

5. Inventor Name: David James Thomas Signature: _____ Date: _____

6. Inventor Name: Matthew R. Noerpel Signature: _____ Date: _____

7. Inventor Name: Jennifer Lynn Goetz Signature: _____ Date: _____

8. Inventor Name: Todd Peter Luxton Signature: _____ Date: _____

9. Inventor Name: Tyler Dale Sowers Signature: _____ Date: _____

4. Inventor Name: Karen D. Bradham Signature: _____ Date: _____

5. Inventor Name: David James Thomas Signature:  Date: June 30, 2022

6. Inventor Name: Matthew R. Noerpel Signature: _____ Date: _____

7. Inventor Name: Jennifer Lynn Goetz Signature: _____ Date: _____

8. Inventor Name: Todd Peter Luxton Signature: _____ Date: _____

9. Inventor Name: Tyler Dale Sowers Signature: _____ Date: _____

4. Inventor Name: Karen D. Bradham Signature: _____ Date: _____

5. Inventor Name: David James Thomas Signature: _____ Date: _____

6. Inventor Name: Matthew R. Noerpel Signature: MATTHEW NOERPEL Digitally signed by MATTHEW NOERPEL
Date: 2022.07.11 15:23:08 -04'00' Date: _____

7. Inventor Name: Jennifer Lynn Goetz Signature: JENNIFER GOETZ Digitally signed by JENNIFER GOETZ
Date: 2022.07.19 09:10:19 -04'00' Date: _____

8. Inventor Name: Todd Peter Luxton Signature: TODD LUXTON Digitally signed by TODD LUXTON
Date: 2022.07.15 13:23:53 -04'00' Date: _____

9. Inventor Name: Tyler Dale Sowers Signature: _____ Date: _____

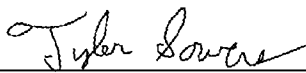
4. Inventor Name: Karen D. Bradham Signature: _____ Date: _____

5. Inventor Name: David James Thomas Signature: _____ Date: _____

6. Inventor Name: Matthew R. Noerpel Signature: _____ Date: _____

7. Inventor Name: Jennifer Lynn Goetz Signature: _____ Date: _____

8. Inventor Name: Todd Peter Luxton Signature: _____ Date: _____

9. Inventor Name: Tyler Dale Sowers Signature:  Date: 7/17/2022