507040022 12/21/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7086859

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WILLIAM HAAS	05/06/2004
JOEL ROBINSON	04/28/2004
ABEL QUEEN	05/06/2004

RECEIVING PARTY DATA

Name:	ECOLOCHEM, INC.
Street Address:	4545 PATENT ROAD
City:	NORFOLK
State/Country:	VIRGINIA
Postal Code:	23502

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	7919001

CORRESPONDENCE DATA

Fax Number: (314)621-5065

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: 3146215070

Email: uspatents@atllp.com, mborough@atllp.com

Correspondent Name: MICHAEL M. GNIBUS

Address Line 1: 7700 FORSYTH BOULEVARD

Address Line 2: SUITE 1800

Address Line 4: SAINT LOUIS, MISSOURI 63105

ATTORNEY DOCKET NUMBER:	40980-582
NAME OF SUBMITTER:	MICHAEL M. GNIBUS
SIGNATURE:	/Michael M. Gnibus/
DATE SIGNED:	12/21/2021

Total Attachments: 4

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PATENT 507040022 REEL: 058450 FRAME: 0781

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PATENT REEL: 058450 FRAME: 0782 WORLDWIDE ASSIGNMENT Attorney Docket No.: 36615-190651

WHEREAS William HAAS of Norfolk, VA, Joel ROBINSON of Moundsville, WV, and Abel QUEEN of Norfolk, VA hereinafter referred to as the Assignor, invented a certain improvement relating to "WATER PURIFICATION SYSTEM AND METHOD USING REVERSE OSMOSIS REJECT STREAM IN AN ELECTRODEIONIZATION UNIT", for which said Assignor caused an application for United States Letters Patent to be prepared, the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office.

WHEREAS Ecolochem, Inc., 4545 Patent Road, Norfolk, Virginia 23502, hereinafter referred to as the Assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefore, including any and all renewals, reissues and prolongations thereof:

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire and exclusive right, title, and interest for the United States in and to the invention, the application, and any patents which may be granted therefor, including any and all divisions, continuations, in whole or in part, substitutions, renewals, reissues, reexaminations, and extensions thereof, and all applications claiming priority therefrom; and Assignor authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for the invention, or patents resulting therefrom, insofar as their interest is concerned, to Assignee; to have, hold, exercise, and enjoy, with all the rights, powers, privileges, and advantages in anyway arising therefrom or appertaining thereto, for and during the term or terms of any and all such patents when granted, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as Assignor might or could have held and enjoyed the same, if this assignment had not been made.

Assignor further hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire right, title and interest in all countries of the world, in and to the invention and in and to the application and all patents which may be granted therefor, and all national applications, regional applications, divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, including the right to file applications and obtain patents for the invention in its own name, in all countries and including all rights of priority in all countries under the terms of any applicable international convention, insofar as its interest is concerned; and the Assignor hereby authorizes and requests the applicable patent office in each country of the world to issue all patents for the invention, or patents resulting therefrom, insofar as its interest is concerned, to the Assignee, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of such patents for the invention may issue, to the same extent as the Assignor would hold and enjoy if this Assignment had not been made.

The Assignor further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agrees, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce proper patent protection for said invention.

IN WITNESS WHEREOF, the individual referred to as Assignor has caused this Assignment to be executed.

EXECUTED this _____ day of ______

ASSIGNOR: William HAAS
Signature:

WITNESS:

Signature:

Name:

Address: 4545

PATENT

NORFOLK VA

Signature:

Name: Address: 628 Fairfiel

-2-

EXECUTED this day of, 2	2004.
ASSIGNOR: Joel ROBINSON	WITNESS:
Signature:	Signature:Name:Address:
	Signature:Name:Address:
EXECUTED this	2004. WITNESS:
ASSIGNOR: Abel QUEEN Signature: # Auc	Signature: Name: Address: 45-45 PATENT QQ NORFOR VA 33500
	Signature: PA BLAST Name: P.A. BRADT Address: 628 Fairfield Dr Chesapeake, VA 23322

DC2/542270

WORLDWIDE ASSIGNMENT

WHEREAS William HAAS of Norfolk, VA, Joel ROBINSON of Moundsville, WV, and Abel QUEEN of Norfolk, VA hereinafter referred to as the Assignor, invented a certain improvement relating to "WATER PURIFICATION SYSTEM AND METHOD USING REVERSE OSMOSIS REJECT STREAM IN AN ELECTRODEIONIZATION UNIT", for which said Assignor caused an application for United States Letters Patent to be prepared, the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office.

WHEREAS <u>Ecolochem</u>, <u>Inc.</u>, <u>4545 Patent Road</u>, <u>Norfolk</u>, <u>Virginia</u> <u>23502</u>, hereinafter referred to as the Assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefore, including any and all renewals, reissues and prolongations thereof:

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire and exclusive right, title, and interest for the United States in and to the invention, the application, and any patents which may be granted therefor, including any and all divisions, continuations, in whole or in part, substitutions, renewals, reissues, reexaminations, and extensions thereof, and all applications claiming priority therefrom; and Assignor authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for the invention, or patents resulting therefrom, insofar as their interest is concerned, to Assignee; to have, hold, exercise, and enjoy, with all the rights, powers, privileges, and advantages in anyway arising therefrom or appertaining thereto, for and during the term or terms of any and all such patents when granted, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as Assignor might or could have held and enjoyed the same, if this assignment had not been made.

Assignor further hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire right, title and interest in all countries of the world, in and to the invention and in and to the application and all patents which may be granted therefor, and all national applications, regional applications, divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, including the right to file applications and obtain patents for the invention in its own name, in all countries and including all rights of priority in all countries under the terms of any applicable international convention, insofar as its interest is concerned; and the Assignor hereby authorizes and requests the applicable patent office in each country of the world to issue all patents for the invention, or patents resulting therefrom, insofar as its interest is concerned, to the Assignee, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of such patents for the invention may issue, to the same extent as the Assignor would hold and enjoy if this Assignment had not been made.

The Assignor further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agrees, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce proper patent protection for said invention.

IN WITNESS WHEREOF, the individual referred to as Assignor has caused this Assignment to be executed.

EXECUTED this day of	, 2004.	
ASSIGNOR: William HAAS	WITNESS:	
Signature:	Signature:	
	Name:	
	Address:	
	Signature:	
	Name:	
	Address:	
	977	

Attorney Docket No.: 36615-190651

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EXECUTED this 28th day of April ,	2004.
ASSIGNOR: Joel ROBINSON Signature: Joel M. Robinson	Signature: 2 Leaking Dollas Name: UTCKT TO DOBBS Address: 621 712 ST. MOUNDSUTZLE WU 2604/ Signature: Haley Johnson Address: 621 742 ST. MOUNDSUTZLE WU 2604/
EXECUTED this day of, 2	2004.
ASSIGNOR: Abel QUEEN	WITNESS:
Signature:	Signature:Name:Address:
	Signature:Name:Address:

DC2/542270

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