

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6643360

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
EVOQUA WATER TECHNOLOGIES LLC	04/01/2021
NEPTUNE BENSON, INC.	04/01/2021
RECEIVING PARTY DATA	
Name:	JPMORGAN CHASE BANK, N.A., AS COLLATERAL AGENT
Street Address:	383 MADISON AVENUE
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10179
PROPERTY NUMBERS Total: 292	
Property Type	Number
Patent Number:	6946077
Patent Number:	6649037
Patent Number:	6514398
Patent Number:	6440310
Patent Number:	6536606
Patent Number:	6763846
Patent Number:	6592762
Patent Number:	6693139
Patent Number:	6818129
Patent Number:	6736275
Patent Number:	7108781
Patent Number:	6623647
Patent Number:	6758954
Patent Number:	6821011
Patent Number:	7572359
Patent Number:	7501061
Patent Number:	7504074
Patent Number:	6824662
Patent Number:	7087172

Property Type	Number
Patent Number:	7582198
Patent Number:	7604725
Patent Number:	7083733
Patent Number:	7563351
Patent Number:	7846340
Patent Number:	7862700
Patent Number:	8377279
Patent Number:	7101417
Patent Number:	7208090
Patent Number:	7147785
Patent Number:	7329358
Patent Number:	7326325
Patent Number:	7285223
Patent Number:	7285217
Patent Number:	7022269
Patent Number:	7371319
Patent Number:	7326340
Patent Number:	7285207
Patent Number:	7138049
Patent Number:	7488423
Patent Number:	8206592
Patent Number:	8894834
Patent Number:	7455765
Patent Number:	7276366
Patent Number:	7241430
Patent Number:	7481933
Patent Number:	7186341
Patent Number:	8045849
Patent Number:	8162531
Patent Number:	7850851
Patent Number:	7569147
Patent Number:	7744760
Patent Number:	8277627
Patent Number:	8114259
Patent Number:	7905245
Patent Number:	7563363
Patent Number:	8101058
Patent Number:	8318476

Property Type	Number
Patent Number:	8652336
Patent Number:	7563311
Patent Number:	7510655
Patent Number:	9028692
Patent Number:	7569148
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Patent Number:	7481929
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Patent Number:	7736502
Patent Number:	7799224
Patent Number:	7867401
Patent Number:	7655144
Patent Number:	8118175
Patent Number:	8801929
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Patent Number:	9023215
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Patent Number:	8524058
Patent Number:	8623213
Patent Number:	7972532
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Patent Number:	8784733
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Patent Number:	8470172
Patent Number:	8182693
Patent Number:	9663392
Patent Number:	8430112
Patent Number:	D645116
Patent Number:	D648821
Patent Number:	8685247
Patent Number:	8658043
Patent Number:	8741155
Patent Number:	8961798
Patent Number:	8753522
Patent Number:	9365435

Property Type	Number
Patent Number:	9365436
Patent Number:	8894856
Patent Number:	8721862
Patent Number:	8808544
Patent Number:	8932984
Patent Number:	9611368
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Patent Number:	8864971
Patent Number:	9764968
Patent Number:	9975065
Patent Number:	10919792
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Patent Number:	8845901
Patent Number:	10343939
Patent Number:	D747445
Patent Number:	9409807
Patent Number:	9359236
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Patent Number:	9725343
Patent Number:	9023208
Patent Number:	9339745

Property Type	Number
Patent Number:	9764973
Patent Number:	9586176
Patent Number:	9944546
Patent Number:	9751029
Patent Number:	9637400
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Patent Number:	9540261
Patent Number:	10106446
Patent Number:	9981865
Patent Number:	D777295
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Patent Number:	10695716
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Patent Number:	9725346
Patent Number:	10160670
Patent Number:	10494281
Patent Number:	9783440
Patent Number:	10207210
Patent Number:	10449512
Patent Number:	9768502
Patent Number:	9782725
Patent Number:	D817439
Patent Number:	10843948
Patent Number:	10662085
Patent Number:	D888538
Patent Number:	10882965
Patent Number:	10800678
Patent Number:	10010830
Patent Number:	D906621
Patent Number:	10415146

Property Type	Number
Patent Number:	10561988
Patent Number:	10654735
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Patent Number:	10213744
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Patent Number:	10550020
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Patent Number:	9682876
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Patent Number:	10501320
Patent Number:	8591740
Patent Number:	7282142
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Patent Number:	8028841
Patent Number:	9630863
Patent Number:	9127896

Property Type	Number
Patent Number:	9387421
Patent Number:	9302205
Patent Number:	9303924
Patent Number:	9494372
Patent Number:	9581395
Patent Number:	10227245
Application Number:	14650082
Application Number:	15550175
Application Number:	15305603
Application Number:	15355927
Application Number:	16077095
Application Number:	16307551
Application Number:	15571266
Application Number:	16467263
Application Number:	16493932
Application Number:	16603046
Application Number:	16624999
Application Number:	16630742
Application Number:	16639913
Application Number:	16641026
Application Number:	16646684
Application Number:	16098591
Application Number:	16199785
Application Number:	16305959
Application Number:	16771278
Application Number:	16954517
Application Number:	16243917
Application Number:	16273265
Application Number:	16969760
Application Number:	16287203
Application Number:	16979855
Application Number:	16980605
Application Number:	16333280
Application Number:	16354405
Application Number:	16335431
Application Number:	17050040
Application Number:	15734992
Application Number:	17270039

Property Type	Number
Application Number:	16491728
Application Number:	16491753
Application Number:	16491781
Application Number:	16491820
Application Number:	16603017
Application Number:	16605152
Application Number:	16613306
Application Number:	16739071
Application Number:	16630226
Application Number:	16821445
Application Number:	16862870
Application Number:	16872964
Application Number:	15931674
Application Number:	16887599
Application Number:	16897628
Application Number:	16905186
Application Number:	16969548
Application Number:	16996277
Application Number:	16976470
Application Number:	17080176
Application Number:	17096226
Application Number:	17099112
Application Number:	17102597
Application Number:	29759692
Application Number:	17109497
Application Number:	17263006
Application Number:	17173515
Application Number:	17268450
Application Number:	17268448
Application Number:	17270852
Application Number:	17199092
Application Number:	17275286
Application Number:	16231861
Application Number:	16299691
Application Number:	16709840
Application Number:	16058982
Application Number:	16691760
Application Number:	16527900

Property Type	Number
Application Number:	15207119
Application Number:	16648424
Application Number:	29696557
Application Number:	16797797
Application Number:	29740163
Application Number:	16984146
Application Number:	29753221

CORRESPONDENCE DATA

Fax Number:

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: 800-494-5225

Email: ipteam@cogencyglobal.com

Correspondent Name: JOANNA MCCALL

Address Line 1: 1025 VERMONT AVE NW, SUITE 1130

Address Line 2: COGENCY GLOBAL INC.

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER: 1350794 PAT IPSA

NAME OF SUBMITTER: DAPHNE XU

SIGNATURE: /Daphne Xu/

DATE SIGNED: 04/07/2021

Total Attachments: 31

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT (as amended, amended and restated, supplemented or otherwise modified from time to time, this “***IP Security Agreement***”) dated as of April 1, is among the Persons listed on the signature pages hereof as grantors (collectively, the “***Grantors***”) and JPMorgan Chase Bank, N.A., as collateral agent (the “***Collateral Agent***”) for the ratable benefit of the Secured Parties (as defined in the Credit Agreement referred to below).

WHEREAS, EWT Holdings III Corp., a Delaware corporation, has entered into a Credit Agreement dated as of April 1, 2021 (as amended, amended and restated, supplemented or otherwise modified from time to time, the “***Credit Agreement***”), with EWT Holdings II Corp., a Delaware corporation, each Lender from time to time party thereto, JPMorgan Chase Bank, N.A., as Administrative Agent and as Collateral Agent, and the L/C Issuers referred to therein. Terms defined in the Credit Agreement and not otherwise defined herein are used herein as defined in the Credit Agreement.

WHEREAS, pursuant to the Credit Agreement, each Grantor has executed and delivered that certain Security Agreement dated as of April 1, 2021 among the Grantors from time to time party thereto and the Collateral Agent (as amended, amended and restated, supplemented or otherwise modified from time to time, the “***Security Agreement***”).

WHEREAS, under the terms of the Security Agreement, the Grantors have granted to the Collateral Agent, for the ratable benefit of the Secured Parties, a security interest in, among other property, certain intellectual property of the Grantors and have agreed as a condition thereof to execute this IP Security Agreement for recording with the U.S. Patent and Trademark Office, the United States Copyright Office and any other appropriate governmental authorities.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor agrees as follows:

SECTION 1. Grant of Security. Each Grantor hereby grants to the Collateral Agent, for the ratable benefit of the Secured Parties, a security interest in all of such Grantor’s right, title and interest in and to the following (the “***Collateral***”):

(i) the patents and patent applications set forth in Schedule A hereto;

(ii) the trademark and service mark registrations and applications set forth in Schedule B hereto (provided that no security interest shall be granted in United States intent-to-use Trademark applications, prior to the filing and acceptance of a “Statement of Use” or an “Amendment to Allege Use” with respect thereto, solely to the extent that, and solely during the period in which, the grant of a security interest therein would impair the validity or enforceability of such intent-to-use Trademark applications or any registrations that issue therefrom under applicable federal law), together with the goodwill of the business connected with the use thereof and symbolized thereby;

(iii) the copyright registrations set forth in Schedule C hereto;

(iv) the agreements granting any exclusive right to the Grantor in or to any registered copyright set forth in Schedule D hereto;

(v) all reissues, divisions, continuations, continuations-in-part, extensions, renewals, reexamination certificates, supplemental examination certificates, post grant review certificates, *inter partes* review certificates and derivation certificates of any of the foregoing, all rights in the foregoing provided by international treaties or conventions, all rights corresponding thereto throughout the world and all other rights of any kind whatsoever of such Grantor accruing thereunder or pertaining thereto;

(vi) any and all claims for damages, other payments and/or injunctive relief for past, present and future infringement, dilution, misappropriation, violation, misuse or breach with respect to any of the foregoing, with the right, but not the obligation, to sue for and collect, or otherwise recover, such damages, payments or other relief; and

(vii) any and all Proceeds of, collateral for, income, royalties and other payments now or hereafter due and/or payable with respect to, and supporting obligations relating to, any and all of the foregoing or arising from any of the foregoing.

provided that, notwithstanding anything to the contrary contained in the foregoing clauses (i) through (vi), the security interest created hereby shall not extend to, and the term "Collateral" shall not include, any lease, license or other agreement to the extent that a grant of a security interest therein would violate or invalidate such lease, license or agreement, or create a right of termination in favor of any other party thereto (other than any Grantor or any Subsidiary of any Grantor), in each case to the extent not rendered unenforceable pursuant to the applicable provisions of the UCC or other applicable law and so long as the applicable provision giving rise to such violation or invalidity or such right of termination was not incurred in anticipation of the entering into of the Credit Agreement, provided, further, that (x) the Collateral includes Proceeds and receivables of any property excluded under this provision, the assignment of which is expressly deemed effective under the UCC notwithstanding such prohibition and (y) such excluded lease, license or other agreement shall otherwise be subject to the security interest created by the Security Agreement upon receiving any necessary approvals or waivers permitting the assignment thereof.

SECTION 2. Security for Obligations. The grant of a security interest in the Collateral by each Grantor under this IP Security Agreement secures the payment and performance of all Obligations of such Grantor now or hereafter existing under or in respect of the Loan Documents (as such Loan Documents may be amended, amended and restated, supplemented, replaced, refinanced, re-tranched, extended, increased or otherwise modified from time to time (including any extensions of maturity dates and increases of the principal amount outstanding thereunder)) or otherwise including, without limitation, any extensions, increases, modifications, substitutions, amendments, refinancings, refundings, replacements or renewals of

any or all of the foregoing Obligations (whether or not such action is committed, contemplated or provided for by the Loan Documents on the date hereof), whether direct or indirect, absolute or contingent, and whether for principal, reimbursement obligations, interest, fees, premiums, penalties, indemnifications, contract causes of action, costs, expenses or otherwise.

SECTION 3. Recordation. Each Grantor authorizes and requests that the Register of Copyrights, the Commissioner for Patents and the Commissioner for Trademarks and any other applicable government officer record this IP Security Agreement.

SECTION 4. Grants, Rights and Remedies. This IP Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. Each Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Collateral Agent with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein. In the event that any provision of this IP Security Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control.

SECTION 5. Execution in Counterparts. This IP Security Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

SECTION 6. Notices, Etc. All notices and other communications provided for hereunder shall be in writing (including telegraphic, telecopy or telex communication or facsimile transmission) and mailed, telegraphed, telecopied, telexed, faxed or delivered, if to any Grantor, addressed to it in care of the Borrower at the Borrower's address specified in Section 10.02 of the Credit Agreement, or if to the Collateral Agent, to its address specified in Section 10.02 of the Credit Agreement. All such notices and other communications shall be deemed to be given or made at such time as shall be set forth in Section 10.02 of the Credit Agreement. This IP Security Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement. Delivery of an executed counterpart of a signature page to this IP Security Agreement by telecopier or in .pdf or similar format by electronic mail shall be effective as delivery of an original executed counterpart of this IP Security Agreement. The words "execution," "execute," "signed," "signature," and words of like import in this IP Security Agreement or any amendment or other modification hereof shall be deemed to include electronic signatures or the keeping of records in electronic form, each of which shall be of the same legal effect, validity or enforceability as a manually executed signature or the use of a paper-based recordkeeping system, as the case may be, to the extent and as provided for in any applicable Law, including the Federal Electronic Signatures in Global and National Commerce Act, the New York State Electronic Signatures and Records Act, or any other similar state laws based on the Uniform Electronic Transactions Act

SECTION 7. Governing Law. This IP Security Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, each Grantor has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

ETW HOLDINGS II CORP.
ETW HOLDINGS III CORP.
NEPTUNE BENSON, INC.

DocuSigned by:
By: Benedict J. Stas
Name: Benedict J. Stas
Title: Executive Vice President, Chief
Financial Officer and Treasurer

EVOQUA TREATED WATER
OUTSOURCING LLC

DocuSigned by:
By: Benedict J. Stas
Name: Benedict J. Stas
Title: Chief Financial Officer and
Treasurer

EVOQUA WATER TECHNOLOGIES
LLC

DocuSigned by:
By: Benedict J. Stas
Name: Benedict J. Stas
Title: Executive Vice President,
Chief Financial Officer and
Treasurer

By: _____
Name: Ariel Kuperminc
Title: Assistant Treasurer

Address for Notices:
210 Sixth Avenue, Suite 3300
Pittsburgh, Pennsylvania 15222

IN WITNESS WHEREOF, each Grantor has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

ETW HOLDINGS II CORP.
ETW HOLDINGS III CORP.
NEPTUNE BENSON, INC.

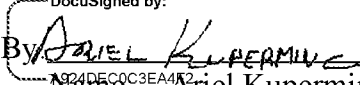
By: _____
Name: Benedict J. Stas
Title: Executive Vice President, Chief
Financial Officer and Treasurer

EVOQUA TREATED WATER
OUTSOURCING LLC

By: _____
Name: Benedict J. Stas
Title: Chief Financial Officer and
Treasurer

EVOQUA WATER TECHNOLOGIES
LLC

By: _____
Name: Benedict J. Stas
Title: Executive Vice President,
Chief Financial Officer and
Treasurer

DocuSigned by:
By:  _____
Name: Ariel Kuperminc
Title: Assistant Treasurer

Address for Notices:
210 Sixth Avenue, Suite 3300
Pittsburgh, Pennsylvania 15222

Collateral Agent:

JPMORGAN CHASE BANK, N.A., as
Collateral Agent

By: _____

Name: Philip VanFossan

Title: Executive Director

Schedule A to the

First Lien IP Security Agreement

PATENTS AND PATENT APPLICATIONS

Grantor: Evoqua Water Technologies LLC						
Patent Title	Country	Application Date	Application No.	Publication No.	Issue Date	Patent No.
PH Stable Activated Carbon	US	2/6/2001	09/777603		9/20/2005	6946077
Electrodeionization Apparatus and Method	US	5/29/2001	09/867786	2002-0189951	11/18/2003	6649037
Electrodeionization Apparatus and Method	US	6/5/2001	09/875313	2002-0011413	2/4/2003	6514398
Method and Apparatus for Microfiltration	US	7/12/2001	09/904796	2002-046974	8/27/2002	6440310
Sludge Collector with Entrapment Plate	US	7/24/2001	09/912268	2003-0019810	3/25/2003	6536606
Fluid Distribution Device	US	8/20/2001	09/933973	2003-0034067	7/20/2004	6763846
Process for Treating BOD-Containing Wastewater	US	8/29/2001	09/941535	2003-042199	7/15/2003	6592762
Treated Ion Exchange Resin and Method for Treatment Thereof	US	9/6/2001	09/947935	2003-0050350	2/17/2004	6693139
Ion Exchange Removal of Metal Ions from Wastewater	US	12/13/2001	10/017077	2002-0104803	11/16/2004	6818129
Flocculating Energy Dissipating Well Arrangement (FEDWA)	US	1/22/2002	10/054378	2003-0136730	5/18/2004	6736275
Enhanced Air and Water Purification Using Continuous Breakpoint Halogenation with Free Oxygen Radicals	US	2/26/2002	10/083315	2003-0160005	9/19/2006	7108781
Method of Optimized Control of Multiple Oxidizer Feedstreams	US	3/15/2002	10/098817	2002-153325	9/23/2003	6623647
Electrodeionization Apparatus with Resilient Endblock	US	4/11/2002	10/121133	2003-0192783	7/6/2004	6768954
Mixing System Configured with Surface Mixing	US	10/11/2002	10/270097		11/23/2004	6821011

Apparatus for Fluid Purification and Methods of Manufacture and Use Thereof	US	10/15/2002	10/272356	2003-0089609	8/11/2009	7572359
Production of Water for Injection Using Reverse Osmosis	US	10/23/2002	10/278714	2004-079700	3/10/2009	7501061
Chlorine Dioxide Generation Systems	US	6/9/2003	10/457335	2003-0229422	3/17/2009	7504074
Electrodeionization Apparatus and Method	US	10/27/2003	10/695152	2004-0089551	11/30/2004	6824662
Methods and Apparatus for Reducing Nitrate Demands in the Reduction of Dissolved and/or Atmospheric Sulfides in Wastewater	US	11/4/2003	10/700381	2004-0173525	8/8/2006	7087172
Water Treatment System and Method	US	11/13/2003	10/712674	2005-0103724	9/1/2009	7582198
Water Treatment System and Method	US	11/13/2003	10/712250	2005-0103630	10/20/2009	7604725
Water Treatment System and Method	US	11/13/2003	10/712248		8/1/2006	7083733
Water Treatment System and Method	US	11/13/2003	10/712163	2005-0103644	7/21/2009	7563351
Water Treatment System and Method	US	11/13/2003	10/712685	2005-0103631	12/7/2010	7846340
Water Treatment System and Method	US	11/13/2003	10/712162	2005-0103723	1/4/2011	7862700
Water Treatment Systems and Method	US	11/13/2003	10/712166	2005-0103622	2/19/2013	8377279
Activated Carbon for Odor Control and Method for Making Same	US	12/5/2003	10/729274	2004-0112214	9/5/2006	7101417
Wastewater Treatment Control	US	12/23/2003	10/745446		4/24/2007	7208090
Electrodeionization Device and Methods of Use	US	5/13/2004	10/845782	2005-0016932	12/12/2006	7147785
Water Treatment Process	US	5/27/2004	10/856264	2005-0263457	2/12/2008	7329358
Apparatus and Method for Connecting Water Treatment Devices	US	9/17/2004	10/943782	2005-0087446	2/5/2008	7326325
Enhanced Air and Water Purification Using Continuous Breakpoint Halogenation with Free Oxygen Radicals	US	10/22/2004	10/972122		10/23/2007	7285223
Removing Odoriferous Sulfides from Wastewater	US	11/17/2004	10/991054		10/23/2007	7285217
Activated Carbon for Odor Control and Method for Making Same	US	12/9/2004	11/008449		4/4/2006	7022269
Production of Water for Injection Using Reverse Osmosis	US	1/12/2005	11/033696		5/13/2008	7371319
System for Controlling Sulfide Generation	US	6/9/2005	11/149018	2005-0224409	2/5/2008	7326340

Methods and Apparatus for Reducing Nitrate Demands in the Reduction of Dissolved and/or Atmospheric Sulfides in Wastewater	US	7/7/2005	11/176018	2005-0242010	10/23/2007	7285207
Apparatus for Reducing Nitrate Demands in the Reduction of Dissolved and/or Atmospheric Sulfides in Wastewater	US	7/7/2005	11/176764	2005-0242011	11/21/2006	7138049
System and Method of Slurry Treatment	US	8/2/2005	11/195108	2007-0029260	2/10/2009	7488423
Treating Acidic Water	US	12/15/2005	11/303160	2007-0138093	6/26/2012	8206592
Water Treatment System and Method	US	12/19/2005	11/311528	2006-0157422	11/25/2014	8894834
Wastewater Treatment System and Method	US	1/25/2006	11/339186	2007-0170112	11/25/2008	7455765
Biological Scrubber Odor Control System and Method	US	2/8/2006	11/350358	2007-0180802	10/2/2007	7276366
Activated Carbon for Odor Control and Method for Making Same	US	3/29/2006	11/392169	2006-0162558	7/10/2007	7241430
Process to Improve Efficiency of a Membrane Filter Activated Sludge System	US	4/11/2006	11/279354	2007-0235386	1/27/2009	7481933
Methods and Apparatus for Reducing Nitrate Demands in the Reduction of Dissolved and/or Atmospheric Sulfides in Wastewater	US	4/24/2006	11/410173	2006-0186040	3/6/2007	7186341
Water Treatment System and Process	US	6/1/2006	11/444984	2006-0291839	10/25/2011	8045849
Mixing System for Increased Height Tanks	US	6/22/2006	11/425938	2006-0291326	4/24/2012	8162531
Biological Phosphorus Removal	US	8/14/2006	12/063325	2010-0133177	12/14/2010	7850851
Screening Of Inert Solids From A Low-Yield Wastewater Treatment Process	US	8/31/2006	11/469009	2007-0051677	8/4/2009	7569147
Method and Apparatus for Desalination	US	9/20/2006	11/524080	2008-0067125	6/29/2010	7744760
Method and System for Irrigation	US	9/20/2006	11/524078	2007-0284252	10/2/2012	8277627
Method and System For Providing Potable Water	US	9/20/2006	11/524033	2007-0284251	2/14/2012	8114259
Dosing Control System and Method	US	10/2/2006	11/542649	2007-0074758	3/15/2011	7905245
System for Treating Wastewater	US	10/4/2006	11/543006	2007-0075017	7/21/2009	7563363
Apparatus for Fluid Purification	US	5/1/2007	11/742704	2008-0105548	1/24/2012	8101058
Gas Treatment Systems and Methods	US	5/2/2007	11/799742	2007-0259416	11/27/2012	8318476

Ultraviolet Light Activated Oxidation Process for the Reduction of organic Carbon in Semiconductor Process Water	US	6/5/2007	12/303596	2011-0180485	2/18/2014	8652336
Activated Carbon for Odor Control	US	7/9/2007	11/825843	2008-0006157	7/21/2009	7563311
Process to Improve Efficiency of a Membrane Filter Activated Sludge System	US	7/13/2007	11/777567	2008-0041783	3/31/2009	7510655
High Flow Disc Filter	US	8/10/2007	11/836962	2008-0035584	5/12/2015	9028692
Continuous Membrane Filtration And Solids Reduction	US	8/23/2007	11/843817	2008-0047895	8/4/2009	7569148
System and Methods for Wastewater Odor Control	US	9/21/2007	11/859421	2008-0041785	6/30/2009	7553420
Water Treatment System	US	11/20/2007	11/943446		1/27/2009	7481929
System and Method for Enhancing an Activated Sludge Process	US	1/9/2008	12/008216	2008-0203015	4/13/2010	7695623
A System and Method for Removing Dissolved Contaminants, Particulate Contaminants, and Oil Contaminants from Industrial Waste Water	US	1/9/2008	12/008209	2008-0210613	9/23/2014	8840786
Temperature Transfer Filter Plate Assembly	US	1/18/2008	12/009600	2008-0190831	6/15/2010	7736502
Wastewater Treatment Methods	US	1/30/2008	12/022959		9/21/2010	7799224
Water Treatment Control Systems and Methods of Use	US	3/28/2008	12/058177	2008-0237148	1/11/2011	7867401
Method for the Treatment of Wastewater	US	7/1/2008	12/165821	2008-0296221	2/2/2010	7655144
Venting Device for a Disc Filter	US	7/15/2008	12/173559	2009-0020484	2/21/2012	8118175
Trash Tolerant Filter Support for a Disc Filter	US	7/15/2008	12/173517	2009-0020483	8/12/2014	8801929
Method and System for Treating Ballast Water	US	8/14/2008	12/673574	2011-0120956	3/3/2015	8968575
Low Energy System and Method of Desalinating Seawater	US	9/22/2008	12/679310	2010-0282689	5/5/2015	9023215
System and Method for Measuring the Concentration of Magnetic Ballast in a Moving Slurry	US	10/23/2008	12/288825	2010-0101309	1/3/2012	8088284
Low Power Amperometric Probe	US	1/20/2009	12/864107	2011-0127163	9/3/2013	8524058
Hybrid Aerobic and Anaerobic Wastewater and Sludge Treatment Systems and Methods	US	3/27/2009	12/934927	2011-0089105	1/7/2014	8623213

Composition For Odor Control	US	5/15/2009	12/466799	2009-0250389	7/5/2011	7972532
Water Treatment System and Method	US	6/2/2009	12/477013	2009-0236235	2/14/2012	8114260
Sequencing Batch Reactor with Continuous Membrane Filtration and Solids Reduction	US	6/9/2009	12/481486	2009-0261027	4/26/2011	7931808
Wastewater Treatment Systems	US	6/30/2009	12/495449	2010-0012558	9/21/2010	7799215
Chlorine Dioxide Generation Systems and Methods	US	7/27/2009	13/055010	2011-0129388	7/22/2014	8784733
Vacuum Actuated Fluid Delivery	US	8/19/2009	12/867221	2011-0067766	6/7/2016	9360119
System and Method for Enhancing a Wastewater Treatment Process	US	9/8/2009	12/584545	2010-0155327	6/25/2013	8470172
Method and Apparatus for Desalination	US	12/16/2009	12/639548	2010-0089756	5/22/2012	8182693
Amendment-Free Sludge Composting	US	1/15/2010	12/688589	2010-0184131	5/30/2017	9663392
Slurry Feed System and Method	US	7/13/2010	12/835322	2012-0012188	4/30/2013	8430112
Moving Bed Biofilm Reactor Media	US	9/28/2010	29/375844		9/13/2011	D645116
Moving Bed Biofilm Reactor Media	US	9/28/2010	29/375846		11/15/2011	D648821
System and Methods for Nutrient Removal in Biological treatment Systems	US	12/2/2010	12/958542	2011-0132836	4/1/2014	8685247
Water Treatment System and Method	US	12/7/2010	12/962064	2011-0120886	2/25/2014	8658043
Method and System for Providing Ultrapure Water	US	1/17/2011	13/007932	2011-0210077	6/3/2014	8741155
Method For Measuring a Concentration of a Compound in a Liquid Stream	US	1/17/2011	13/007940	2011-0209530	2/24/2015	8961798
System for Controlling Introduction of a Reducing Agent to a Liquid Stream	US	1/17/2011	13/007946	2011-0210048	6/17/2014	8753522
Actinic Radiation Reactor	US	1/17/2011	13/007949	2011-0210267	6/14/2016	9365435
Method of Irradiating A Liquid	US	1/17/2011	13/007953	2011-0210266	6/14/2016	9365436
Hybrid Aerobic and Anaerobic Wastewater and Sludge Treatment Systems and Methods	US	2/24/2011	13/034269	2011-0203992	11/25/2014	8894856
Apparatus for Fluid Purification and Methods of Manufacture and Use Thereof	US	5/5/2011	13/101632	2011-0303544	5/13/2014	8721862
Contact-Stabilization/Prime-Float Hybrid	US	8/16/2011	13/210487	2012-0043277	8/19/2014	8808544
Mesoporous Activated Carbon and Methods of Producing Same	US	10/5/2011	13/253155	2012-0085708	1/13/2015	8932984

Process for Making a Monomer Solution for Making Cation Exchange Membranes	US	10/17/2011	13/879516	2013-0317128	4/4/2017	9611368
Anion Exchange Membranes and Process for Making	US	10/17/2011	13/879519	2013-0313118	3/3/2015	8969424
Electrical Purification Apparatus and Methods of Manufacturing Same	US	2/3/2012	13/365300	2012-0199484	5/3/2017	9656886
Venting Device for a Disc Filter	US	2/20/2012	13/400180	2012-0298573	8/19/2014	8808542
Synergistic Methods for Odor Control	US	2/21/2012	13/400997	2012-0213662	3/3/2015	8968646
System and Method for Enhancing a Wastewater Treatment Process	US	5/1/2012	13/461641	2012-0211416	8/13/2013	8506800
Method and System for Irrigation	US	8/29/2012	13/597833	2013-0008791	3/14/2017	9592472
Method and System for Water Treatment	US	8/30/2012	13/599871	2013-0015135	4/9/2019	10252923
Ballasted Sequencing Batch Reactor System and Method for Treating Wastewater	US	9/26/2012	13/627757	2013-0020254	9/24/2013	8540877
Ballasted anaerobic system	US	9/26/2012	13/627766	2013-0020255	1/7/2014	8623205
Using Continuous Nitrate Measurement to Control Aeration in an Aerated-Anoxic Process	US	11/16/2012	14/357595	2014-0319055	9/12/2017	9758410
Low Scale Potential Water Treatment	US	11/30/2012	13/690866	2013-0126355	5/5/2015	9023185
Water Treatment Systems and Method	US	2/15/2013	13/768362	2013-0256135	10/21/2014	8864971
Method and System for Providing Ultrapure Water	US	3/8/2013	13/790629	2013-0186835	9/19/2017	9764968
Surface Wasting System	US	3/14/2013	14/763191	2015-0352466	5/22/2018	9975065
Treatment Using Fixed Film Processes And Ballasted Settling	US	3/15/2013	14/405175	2015-0210574	2/16/2021	10919792
Method for Enhancing a Wastewater Treatment Process	US	5/31/2013	13/907423	2013-0256222	4/22/2014	8702987
Systems and Methods for Water Treatment	US	6/3/2013	13/908590	2013-0264208	4/21/2015	9011660
System and Method for Enhancing a Wastewater Treatment Process	US	7/19/2013	13/946204	2013-0299401	3/18/2014	8673142
Ballasted Sequencing Batch Reactor System and Method for Treating Wastewater	US	9/5/2013	14/019483	2014-0001119	7/17/2018	10023486
Hybrid Aerobic and Anaerobic Wastewater and Sludge Treatment	US	9/20/2013	14/032632		11/25/2014	8894855

Systems and Methods						
Hybrid Aerobic and Anaerobic Wastewater and Sludge Treatment Systems and Methods	US	9/20/2013	14/032393		8/12/2014	8801931
Hybrid Aerobic and Anaerobic Wastewater and Sludge Treatment Systems and Methods	US	9/20/2013	14/033084		6/7/2016	9359238
System for Measuring the Concentration of Magnetic Ballast in a Slurry	US	9/26/2013	14/428740	2015-0233867	5/16/2017	9651523
Ballasted anaerobic system and method for treating wastewater	US	12/2/2013	14/094447	20140102977	9/30/2014	8845901
Ultraviolet Light Activated Oxidation Process for the Reduction of Organic Carbon in Semiconductor Process Water	US	1/31/2014	14/169928	2014-0144821	7/9/2019	10343939
One Piece Gasket Assembly	US	2/10/2014	29/481708		1/12/2016	D747445
Use of Primary Sludge for Carbon Source in an Aerated-Anoxic Bioreactor System	US	3/20/2014	14/346180	2014-0217015	8/9/2016	9409807
Enhanced Biosorption of Wastewater Organics using Dissolved Air Flotation with Solids Recycle	US	5/2/2014	14/268907	2014-0238932	6/7/2016	9359236
Hybrid Aerobic and Anaerobic Wastewater and Sludge Treatment Systems and Methods	US	5/12/2014	14/274908	2014/0263010	6/7/2016	9359239
System and Method for Measuring and Treating a Liquid Stream	US	6/16/2014	14/305566	2014-0291253	8/8/2017	9725343
Venting Device for a Disc Filter	US	7/24/2014	14/340232	2015-0008194	5/5/2015	9023208
Trash Tolerant Filter Support for a Disc Filter	US	7/24/2014	14/340227	2014-0360950	5/17/2016	9339745
Wastewater Treatment System	US	10/3/2014	14/505583	2016-0096754	9/19/2017	9764973
Biofilter with Fuzzy Logic Control	US	10/24/2014	14/523303	2015-0217228	3/7/2017	9566176
Anion Exchange Membranes and Process for Making	US	1/22/2015	14/603098	US 20150299001A1	4/17/2018	9944546
Headshaft	US	2/3/2015	14/419282	2015-0209694	9/5/2017	9751029
Systems and Methods for Water Treatment	US	2/26/2015	14/632003	US-2015-0166375-A1	4/12/2017	9637400
Phosphate Recovery by Acid Retardation	US	3/6/2015	15/124564	2017-0015568	11/24/2020	10843941

Coated Ion Exchange Membranes	US	4/7/2015	14/433933		1/10/2017	9540261
Wastewater Overflow Systems and Methods	US	4/21/2015	14/437365	2015-0251938	10/23/2018	10106446
Electrochemical Separation Device	US	5/13/2015	14/442515		5/29/2018	9981865
Cross-Flow Electrodialysis Cassette	US	5/14/2015	29/526921		1/24/2017	D777295
Magnetic Drum Inlet Slide and Scraper Blade	US	5/26/2015	14/647247	2015-0298138	1/7/2020	10525482
Electrochemical Separation Systems and Methods	US	6/5/2015	14/650082			
Filtering panel and method of making the same	US	6/5/2015	15/316379	2018-0147509	12/8/2020	10857491
Side Stream Treatment for Overflow	US	6/24/2015	15/320052	2017-0247274	6/2/2020	10669176
Fine mesh fish larvae protection system for travelling water screens	US	8/6/2015	29/535422		9/11/2018	D828486
Aeration Discs and Methods For Using Same	US	9/11/2015	15/511284	2018-0111862	1/14/2020	10532940
Flow Distributors for Electrochemical Separation	US	9/14/2015	14/775950		5/28/2019	10301200
Mesoporous Activated Carbon	US	9/14/2015	14/775781	2016-0059211	3/13/2018	9914110
Use of Porous Glass Media for a Biofilter to Remove Odorous Compounds from an Air Stream	US	10/22/2015	14/920407	2016-0038873	12/25/2018	10159932
Addition of Alkaline Materials to Biotrickling Filter or Bio-filter Make-up Water	US	11/4/2015	14/932721	2016-0051929	6/30/2020	10695716
Enhanced Biosorption of Wastewater Organics using Dissolved Air Flotation with Solids Recycle	US	11/12/2015	14/890628	2016-0083268	11/20/2018	10131550
Low Scale Potential Water Treatment	US	12/2/2015	14/956785		3/7/2017	9586842
Devices, Systems and Methods for Facilitating Nutrient Removal by Anaerobic Ammonia Oxidation	US	12/14/2015	14/898340	2016-0130164	8/8/2017	9725346
Methods and Systems for Polarization Control	US	12/16/2015	14/898954		12/25/2018	10160670
Advanced Oxidation Process for Ex-Situ Groundwater Remediation	US	1/21/2016	15/002474	2016-0207813	12/3/2019	10494281
Rotating Spray Device for Water Distribution on Media Bed of a Biofilter	US	2/12/2016	15/550175	2018-0021722		
Enhanced Biosorption of Wastewater Organics using Dissolved Air Flotation with Solids Recycle	US	2/29/2016	15/056348	2016-0200609	10/10/2017	9783440

High Flow Disc Filter	US	3/18/2016	15/074031	2017-0043284	2/19/2019	10207210
Mesoporous Activated Carbon and Methods of Producing Same	US	4/29/2016	15/142467	2016-0326266	10/22/2019	10449512
Anion Exchange Membranes and Process for Making	US	8/1/2016	15/225352		9/19/2017	9768502
Cross-Flow Electrochemical Separation Devices and Methods of Assembling Same	US	8/5/2016	15/116964		10/10/2017	9782725
Modular Electrochlorination Enclosure	US	8/19/2016	29/574868		5/8/2018	D817439
Varying Water Level Solids and Tracking Control	US	9/1/2016	15/760006	2019-0084853	11/24/2020	10843948
Low Energy System and Method of Desalinating Seawater	US	9/6/2016	15/257108		5/26/2020	10662085
One Piece Side Rail Cover Shifter Rail for Filter Press	US	9/12/2016	29/577305		6/30/2020	D888538
Gamma Irradiation of Ion Exchange Resins to Remove or Trap Halogenated Impurities	US	9/14/2016	15/759866	2018-0258238	1/5/2021	10882965
In-situ delivery systems for reaction product abatement in electrochemical cells	US	9/16/2016	15/760400		10/13/2020	10800678
Removal of Selenocyanate from Refinery Sour Water Stripper Wastewater	US	10/20/2016	15/305603	2017-0036933		
Selenium Removal Using Aluminium Salt At Conditioning And Reaction Stages To Activate Zero-Valent Iron (ZVI) In Pionox TM Process	US	11/18/2016	15/355927	2017-0129792		
Biofilter with Fuzzy Logic Control	US	1/16/2017	15/407050	2017-0120190	7/3/2018	10010830
Treatment of Dissolved Selenium	US	2/9/2017	16/077095	2019-0047883		
Hollow Chain Link Pin	US	2/21/2017	29/594587		12/29/2020	D906621
Electrode With Two Layer Coating, Method of Use, and Preparation Thereof	US	4/21/2017	15/521109		9/17/2019	10415146
Methods of Providing Inlets and Outlets to Cell Pairs in Wound ED Devices	US	5/19/2017	15/528273		2/18/2020	10561988
Removing Heavy Metals in a Ballasted Process	US	6/5/2017	16/307551	2019-0194048		
Method of Combining Recuperative Digestion with a Contact Tank and	US	6/6/2017	16/309976	2019-0152820	5/19/2020	10654735

Dissolved Air Flotation						
Ballasted Solids Treatment System and Method	US	6/7/2017	16/307671	2019-0194049	11/10/2020	10829402
Biological Contact and Dissolved Air Flotation Treatment of Storm Water	US	6/14/2017	16/309981	2019-0210891	10/13/2020	10800670
Disc Filter Pre-Screen Dual Media Disc Filter	US	8/11/2017	16/320011	2019-0224597	1/12/2021	10888807
Ion Exchange resin transportation and storage	US	8/17/2017	15/679217	2018-0050337	12/11/2020	10850271
Method and System for Water Treatment	US	8/21/2017	15/681577		2/26/2019	10213744
Method and System for Water Treatment	US	8/21/2017	15/681542		6/18/2019	10322953
Reduced Volume Electrochlorination Cells And Methods Of Manufacturing Same	US	9/25/2017	15/561275	US-2018-0119295-A1	10/20/2020	10808327
Structures for Normalizing Multi-Planar Flow Distribution Within an Electrochemical Separation System	US	10/18/2017	15/567398	2018-0111093	10/27/2020	10814280
Method and System for Providing Ultrapure Water With Flexible Lamp Configuration	US	11/2/2017	15/571266	2018-0273412		
Advanced Oxidation Process Methods for Degasification of Reactor Vessel	US	11/6/2017	15/571860	2018/0134592	3/2/2021	10934193
High-Performance Anion Exchange Membranes and Methods of Making Same	US	11/7/2017	15/805746		4/21/2020	10626029
Control System for Optimizing Mixing and Energy Usage for Mixing Systems	US	12/8/2017	16/467263	2020-0079667		
Fine mesh fish larvae protection system for traveling water screens	US	1/26/2018	15/747842		6/2/2020	10669683
Mesoporous Activated Carbon	US	2/13/2018	15/895635	2018-0178190	4/9/2019	10252244
Composite Loop Chain	US	3/13/2018	16/493932	2020-0384385		
Wastewater Treatment System and Method	US	4/6/2018	16/603046	2020-0189948		
Digester Cover Left-in-Place Ballast Ring	US	5/15/2018	15/979660	2018-0334322	6/16/2020	10663162
Design of Fluid Manifolds in Electrodialysis Devices	US	6/20/2018	16/624999			

Wastewater Cleaning System and Process	US	7/10/2018	16/630742	2020-0156963		
Treatment of Liquid Streams containing High concentration of Solids utilizing Ballasted Flocc Technology	US	8/17/2018	16/639913	2020-0255308		
Treatment of Saline Water for Agricultural and Potable Use	US	8/20/2018	16/641026			
Method and Apparatus to Monitor and Control a Water System	US	8/30/2018	16/118112	2019-0112201	4/30/2019	10273165
Simultaneous Nitrification/Denitrification (SNDN) in Sequencing Batch Reactor Applications	US	9/14/2018	16/646684	2020-0283315		
Use of Porous Glass Media for a Biofilter to Remove Odorous Compounds from an Air Stream	US	10/19/2018	16/165045	2019-0134562	8/4/2020	10730013
Method and System for Water Treatment	US	11/2/2018	16/179593		4/21/2020	10625211
Electrochemical System with Concentration Recirculation in Cyclic Batch Mode	US	11/2/2018	16/098591			
Concentration of Wastewater to Reduce Flow Rate, Cost and Footprint of Treatment System	US	11/8/2018	16/184453	2019-0135672	7/28/2020	10723645
Off-Line Electronic Documentation Solutions	US	11/26/2018	16/199785	2019-0163707		
Treatment of high peroxide waste streams	US	11/30/2018	16/305959	2019-0127247		
Anion Exchange Membranes for Redox Flow Batteries	US	12/13/2018	16/771278			
Vanox Hot Water Cart Conditioning System and Method	US	12/20/2018	16/954517	2019/126428		
Method and Apparatus to Monitor and Control a Water System	US	1/9/2019	16/243917	2019-0144301		
Ion Exchange resin transportation and storage	US	2/12/2019	16/273265			
Blend for Odor Control	US	2/15/2019	16/969760	2020-0399141		
Treatment of Saline Water for Agricultural and Potable Use	US	2/27/2019	16/287203			

Dissolved Air Flotation System and Methods for Biological Nutrient Removal	US	3/12/2019	16/979855	2021-0047218		
High Solids Dissolved Air Flotation System and Methods	US	3/13/2019	16/980605	2021-0009451		
Method and System for Treating Ultrapure Water	US	3/14/2019	16/333280	2019-0241446		
Advanced Oxidation Process for Ex-Situ Groundwater Remediation	US	3/15/2019	16/354405	2019-0218127		
System and Method of Deionization of Water	US	3/19/2019	16/358190		12/10/2019	10501343
Ballast Water Treatment and Neutralization	US	3/21/2019	16/335431			
Sequencing Batch Reactor Systems and Methods	US	4/24/2019	17/050040			
Combination of Dissolved Air Flotation and Fixed Film Bioreactor Solutions	US	6/4/2019	15/734992			
Ultraviolet Light Activated Oxidation Process for the Reduction of Organic Carbon in Semiconductor Process Water	US	7/8/2019	16/504942	2020-0002198	2/4/2020	10550020
Methods and Systems for Treating Phosphogypsum-Containing Water	US	8/21/2019	17/270039			
Half-cell electrochemical configurations for self-cleaning electrochlorination devices	US	9/6/2019	16/491728			
Pulsed power supply for sustainable redox agent supply for hydrogen abatement during electrochemical hypochlorite generation	US	9/6/2019	16/491753			
Implementation of feedback control for improved electrochemical system design	US	9/6/2019	16/491781			
Manual Filter Press With Displaceable Follower Stop	US	9/6/2019	16/491820			
Internal electrical connections for concentric tubular electrochemical cells	US	10/4/2019	16/603017			
Novel flow features for self-cleaning concentric tubular electrochemical cells	US	10/14/2019	16/605152			

System for Providing Treated Water	US	10/23/2019	16/661493	2020-0055750	4/7/2020	10611650
Water treatment of sodic, high salinity, or high sodium waters for agricultural application	US	11/13/2019	16/613,306			
Ultraviolet Light Activated Oxidation Process for the Reduction of Organic Carbon in Semiconductor Process Water	US	1/9/2020	16/739071	2020-0148563		
Sub-block Sealing for Electrochemical Separation Devices	US	1/10/2020	16/630226	2020-0129926		
System and Method of Deionization of Water	US	3/17/2020	16/821445	2020-0216333		
Side Stream Treatment for Overflow	US	4/30/2020	16/862870			
Fine mesh fish larvae protection system for traveling water screens	US	5/12/2020	16/872964			
Digester Cover Left-in-Place Ballast Ring	US	5/14/2020	15/931674			
Addition of Alkaline Materials to Biotrickling Filter or Bio-filter Make-up Water	US	5/29/2020	16/887599			
Use of Porous Glass Media for a Biofilter to Remove Odorous Compounds from an Air Stream	US	6/10/2020	16/897628	2020-0368683		
VacFlush Adaptor for Submersible Pumps	US	6/18/2020	16/905186	2020-0399156		
Antioxidant Protection for Ion Exchange Resins	US	8/12/2020	16/969548	2021-0001323		
Phosphate Recovery by Acid Retardation	US	8/18/2020	16/996277	2020-0377386		
Regulation of Process Stream Composition for Improved Electrolyzer Performance	US	8/27/2020	16/976470			
Structures for Normalizing Multi-Planar Flow Distribution Within an Electrochemical Separation System	US	10/26/2020	17/080176			
Disc Filter Pre-Screen Dual Media Disc Filter	US	11/12/2020	17/096226			
Varying Water Level Solids and Tracking Control	US	11/16/2020	17/099112			
Filtering panel and method of making the same	US	11/24/2020	17/102597			
Hollow Chain Link Pin	US	11/24/2020	29/759692			

Gamma Irradiation of Ion Exchange Resins to Remove or Trap Halogenated Impurities	US	12/2/2020	17/109497			
Electrodialysis Process With Active Foulant Removal Sequence	US	1/25/2021	17/263006			
Treatment Using Fixed Film Processes And Ballasted Settling	US	2/11/2021	17/173515			
Systems and Methods for Measuring Composition of Water	US	2/12/2021	17/268450			
Modified Activated Carbon and Methods of Using Same	US	2/12/2021	17/268448			
System and Method for Electrochemical Oxidation of Polyfluoroalkyl Substances in Water	US	2/23/2021	17/270852			
Method and System for Providing Ultrapure Water With Flexible Lamp Configuration	US	3/11/2021	17/199092			
Methods and Systems for Treating Phosphogypsum-Containing Water	US	3/11/2021	17/275286			
Method for the Treatment of Wastewater	US	7/22/2013	13/947883	2014/0021137A1	2/9/2016	9255025
System and Method for the Treatment of Wastewater	US	12/30/2015	14/983831	2016/0107902A1	12/25/2018	10160664
System and Method for the Treatment of Wastewater	US	12/24/2018	16/231861	2019-0194036		
System and Method for the Treatment of Wastewater	US	3/12/2019	16/299691	2019-0330080		
System and Method for the Treatment of Wastewater	US	5/14/2012	13/470894	2012/0285895A1	6/20/2017	9682876
System and Method for Combusting Volatile Vapors	US	5/12/2014	14/275579	2014/0331977A1	12/20/2016	9523330
System and Method for Combusting Volatile Vapors	US	12/20/2016	15/385084	2017/0101964A1	10/3/2017	9777675
System and Method for Combusting Volatile Vapors	US	6/5/2017	15/613729	2017/0268462A1	2/6/2018	9885317
System and Method for Combusting Volatile Vapors	US	2/5/2018	15/888635	2018/0156161A1	11/27/2018	10138845
Ozone Generation System and Valves	US	4/22/2016	15/136526	US 2016-0311687 A1	12/10/2019	10501320
Ozone Generation System and Valves	US	12/10/2019	16/709840			
Ozone Cell Power Supply Apparatus	US	8/8/2018	16/058982	US-2018-0346331		

and Method						
Method and System for Biofouling Control of Shipboard Components ¹	US	8/18/2009	13/059357	2011-0139729	11/26/2013	8591740
Removal of Selenocyanate from Refinery Sour Water Stripper Wastewater ²	US	11/22/2019	16/691760	2020-0087179		
Selenium Removal Using Aluminum Salt at Conditioning and Reaction Stages to Activate Zero-Valent Iron (ZVI) in Pironox® Process ³	US	7/31/2019	16/527900	2019-0352203		

Grantor: Neptune Benson, Inc.						
Patent Title	Country	Application Date	Application No.	Publication No	Issue Date	Patent No.
Fluid Strainer Assembly	US	10/3/2002	10/264399		10/16/2007	7282142
Filter and Filter Cleaning Apparatus And Related Methods	US		10/494237			6959818
(Licensed Out - PAY annuity) Sprinkler Apparatus And Related Methods (Licensed Out)	US	5/3/2004			11/1/2005	
			10/953277	2006-0065759		7111796
		9/29/2004			9/26/2006	
Fluid Strainer Assembly	US	10/16/2007	11/873117		10/18/2011	8038879
Filter and Filter Cleaning Apparatus And Related Methods	US		11/658392	2008-0272058		8028841
		4/29/2008			10/4/2011	
Advanced Oxidation System and Method in a UV Reactor..	US	3/28/2014	14/229775	2015-0274558A1	4/25/2017	9630863
Multi-Segmented Tube Sheet	US	11/7/2014	14/535655		9/8/2015	9127896
Strainer and Strainer Control	US	7/14/2015	14/799202		7/12/2016	9387421

¹ Co-owned with Evoqua Water Technologies GmbH

² Co-owned with The Texas A&M University System

³ Co-owned with The Texas A&M University System

System							
Multi-Segmented Tube Sheet	US	8/20/2015	14/830956		4/5/2016	9302205	
Multi-Segmented Tube Sheet	US	8/20/2015	14/830994		4/5/2016	9303924	
Multi-Segmented Tube Sheet	US	2/23/2016	15/050985	2016-0169597	11/15/2016	9494372	
Multi-Segmented Tube Sheet	US	4/1/2016	15/088453	2016-0216049	2/28/2017	9581395	
Strainer and Strainer Control System	US	7/11/2016	15/207119	2017-0014737			
Advanced Oxidation System and Method in a UV Reactor	US	2/2/2017	15/423071	2017-0144901	3/12/2019	10227245	
Sand Filter LED Status Light	US	9/17/2018	16/648424				
Compact Regenerative Media Filter	US	6/28/2019	29/696557				
Media Bed Filters for Filtering Fine Particles from a Raw Liquid Flow and Method of Using Same	US	2/21/2020		2017-0001131			
Regenerative Media Filter with Flow Diffuser	US	7/1/2020	29/740163				
Multi-layer Media Bed Filter with Improved Backwash	US	8/3/2020	16/984146				
User Interface For Regenerative Media Filter	US	9/30/2020	29/753221				

REGISTERED TRADEMARKS AND TRADEMARK APPLICATIONS

Grantor: Evovqua Water Technologies LLC,					
Mark	Country	Application Date	Application No.	Registration Date	Registration No.
ALKAGEN	US - (United States)	02/13/13	85/848790	05/27/14	4539254
APEX	US - (United States)	11/03/05	78/746213	01/06/09	3559034
APR-1	US - (United States)	03/26/20	88/848631		
APR-2	US - (United States)	03/26/20	88/849222		
AQUACARB	US - (United States)	06/29/01	76/278385	03/26/02	2552582
AQUA-LATOR	US - (United States)	03/26/82	73/356712	03/29/83	1232528
AQUA-SCRUB	US - (United States)	02/15/07	77/108629	04/22/08	3414028
AQUIT	US - (United States)	03/16/98	75/450826	03/21/00	2333747
AVGF	US - (United States)	10/05/67	72/281921	09/24/68	0857473
BARRIER	US - (United States)	06/10/02	76/419023	01/13/04	2805586
BECAUSE WATER IS EVERYWHERE, S	US - (United States)	11/08/17	87/676199	02/27/18	5491974
BEVCARB	US - (United States)	06/29/01	76/278946	05/28/02	2573496
BIOFLOWSHEET +	US - (United States)	04/22/08	77/454900	06/02/09	3632786
BIOGLAS	US - (United States)	12/12/14	86/479386	10/04/16	5055267
BIOMAG	US - (United States)	01/17/06	76653380	02/17/09	3576599
BIOSPHERE	US - (United States)	08/02/11	85/386694	10/29/13	4425983
BIOXIDE	US - (United States)	04/27/90	74/053526	02/18/92	1675617
BIOXIDE-AQ	US - (United States)	03/16/98	75/451323	11/13/01	2507374
CAPAC	US - (United States)	04/08/99	75/677770	12/12/00	2411921
CARBONAIR	US - (United States)	05/25/99	75/713621	03/14/00	2329745

Grantor: Evoqua Water Technologies LLC,					
Mark	Country	Application Date	Application No.	Registration Date	Registration No.
CARBONAIR & Logo	US - (United States)	05/25/99	75/713620	08/22/00	2379147
CDI	US - (United States)	02/13/95	74/633474	01/27/98	2132964
CHEM-AD	US - (United States)	05/29/02	76/413137	11/04/03	2780512
CHEM-CLEAN	US - (United States)	11/16/98	75/589759	09/30/03	2769413
CHLOROPAC	US - (United States)	04/08/99	75/677769	11/13/01	2505783
COMAG	US - (United States)	01/17/06	76/653384	02/17/09	3576600
DELTA (triangle symbol)	US - (United States)	03/30/93	74/373712	05/14/96	1973876
DEOX/2000	US - (United States)	07/26/90	74/082281	06/09/92	1692607
DEPOLOX	US - (United States)	11/16/89	74/000642	02/12/91	1634690
DISCFUSER	US - (United States)	03/08/71	72/385727	11/23/71	0924087
DI-SDI ALERT	US - (United States)	04/29/05	78/620252	08/15/06	3129102
DUALAIR	US - (United States)	03/08/00	75/938857	06/25/02	2586118
DYSTOR	US - (United States)	06/18/90	74/070477	05/21/91	1644971
E-BALL	US - (United States)	11/05/04	78/511849	03/20/07	3220598
ENVIREX	US - (United States)	09/07/90	74/095875	05/19/92	1688209
ENVIREX	US - (United States)	04/23/73	72/455279	05/13/75	1010708
ENVIREX	US - (United States)	06/28/82	73/372075	12/20/83	1261970
ENVIRONMENTAL TREATMENT SYSTEM	US - (United States)	01/13/16	76/718870	04/04/17	5173407
EVOQUA	US - (United States)	12/11/13	86/141391	06/02/15	4748881
EVOQUA LOGO	US - (United States)	01/25/14	86/165797	06/23/15	4761191
EVOQUA WATER TECHNOLOGIES Logo	US - (United States)	01/15/14	86/165803	08/16/16	5022934
FLEXRO					
US - (United States)					
		01/14/93	74/348525	08/24/93	1789278
FLEXTREX					
US - (United States)					
		02/20/04	78/371490	08/22/06	3133815

Grantor: Evoqua Water Technologies LLC,					
Mark	Country	Application Date	Application No.	Registration Date	Registration No.
FLOAT-TREAT	US - (United States)	02/17/58	72/045948	09/23/58	0667376
FOLDED FLOW	US - (United States)	12/23/97	75/409898	12/14/99	2300644
GFH	US - (United States)	07/20/01	76/288054	07/27/04	2867201
GO FLO	US - (United States)	06/14/17	87/488315	10/06/20	6169673
GRAVISAND	US - (United States)	03/19/99	75/664411	02/20/01	2430403
HELLBENDER	US - (United States)	01/05/16	76/718842	08/16/16	5019598
HIGH RESOLUTION REDOX	US - (United States)	10/21/92	74/324154	11/01/94	1861478
HP	US - (United States)	02/21/02	76/373928	05/25/04	2845659
HRR	US - (United States)	02/16/93	74/358829	04/04/95	1887814
HYDRO-CLEAN	US - (United States)	03/16/07	77/133136	07/01/08	3456359
HYDRO-CLEAR	US - (United States)	09/25/69	72/338911	11/16/71	0923799
INTERNALIFT	US - (United States)	01/09/78	73/154778	01/09/79	1110805
ION X CHANGER	US - (United States)	06/29/18	88/020408	04/02/19	5712869
IONPURE	US - (United States)	08/07/89	73/817456	03/26/91	1638999
IONRIGHT	US - (United States)	01/27/09	77/657610	10/05/10	3857620
IWT	US - (United States)	08/02/02	78/150262	05/04/04	2838416
J-MATE	US - (United States)	06/10/85	73/542164	02/25/86	1384160
J-POWER	US - (United States)	09/06/16	87/161382	06/20/17	5226640
J-PRESS	US - (United States)	09/28/82	73/390984	11/29/83	1259184
J-TROL	US - (United States)	06/04/15	86/652383	06/14/16	4979689
J-VAP	US - (United States)	05/02/96	75/097855	11/18/97	2114763
JWI	US - (United States)	09/14/15	86/756397	10/03/17	5302057
JWI	US - (United States)	09/14/15	86/981055	02/14/17	5143391
LIQUIPURE	US - (United States)	02/13/86	73/613158	07/05/88	1494998
LO/PRO	US - (United States)	03/28/97	75/265714	01/26/99	2220888
MC PRESS	US - (United States)	06/21/10	85/067617	07/03/12	4168465
MEMCLEAN	US - (United States)	07/20/87	73/673032	03/01/88	1478567
MEMTEK	US - (United States)	08/17/89	73/819758	03/20/90	1587648

Grantor: Evoqua Water Technologies LLC,					
Mark	Country	Application Date	Application No.	Registration Date	Registration No.
MICRO/2000	US - (United States)	11/16/89	74/000643	02/12/91	1634691
MIDAS	US - (United States)	01/28/02	76/363493	08/05/03	2746276
MODULAB	US - (United States)	02/04/88	73/709448	05/30/89	1541414
NEXED	US - (United States)	07/14/14	86/336323	08/02/16	5013433
NICKLAD	US - (United States)	07/07/93	74/410258	05/10/94	1835101
NOSOGARD	US - (United States)	10/10/08	77/590622	01/04/11	3901103
NXCLEAR	US - (United States)	07/13/05	78/669584	10/30/07	3326427
ODOPHOS	US - (United States)	05/26/88	73/731010	02/28/89	1527367
ODOPHOS	US - (United States)	05/26/88	73/731011	01/17/89	1520381
OMNIFLO	US - (United States)	01/22/86	73/578895	10/07/86	1412216
OMNIPAC	US - (United States)	03/05/02	76/380175	05/13/03	2715385
OPTIMA	US - (United States)	02/05/19	88/288980	03/03/20	5999954
ORBAL	US - (United States)	07/03/03	78/270226	06/15/04	2853892
OSOC	US - (United States)	11/09/94	74/596906	11/12/96	2016234
PERMUTIT	US - (United States)	12/06/27	71/258539	05/22/28	0242315
PFT	US - (United States)	02/15/18	87/798978	11/13/18	5605205
PIRONOX	US - (United States)	08/11/14	86/362656	11/15/16	5082659
PM KIT	US - (United States)	08/29/95	74/722542	06/29/04	2858180
PREFLEX	US - (United States)	08/20/93	74/427875	07/26/94	1846658
PREVUE	US - (United States)	02/13/03	78/214586	11/29/05	3021678
PROACT SERVICES CORPORATION	US - (United States)	05/01/14	86/268657	12/23/14	4659044
PROTEGRA CS	US - (United States)	04/20/07	77/161835	10/05/10	3857176
PULSE MIX	US - (United States)	08/27/79	73/229084	12/30/80	1144908
PURCAT	US - (United States)	07/27/10	85/093615	02/01/11	3914527
PUREFIT	US - (United States)	02/07/06	78/809252	11/20/07	3341641
PV	US - (United States)	02/21/02	76/373927	04/22/03	2708898
RIM-FLO	US - (United States)	02/17/58	72/045949	09/23/58	0667377
RJ-2000	US - (United States)	01/22/07	77/088286	10/02/07	3301321

Grantor: Evoqua Water Technologies LLC,					
Mark	Country	Application Date	Application No.	Registration Date	Registration No.
SEACURE	US - (United States)	03/22/13	85/884062	04/26/16	4946538
SEACURE	US - (United States)	04/12/16	86/972118	11/15/16	5082096
SMOOTH-TEX	US - (United States)	08/08/78	73/182130	05/13/80	1134975
STRANCO	US - (United States)	02/11/82	73/349830	12/21/82	1220713
STRANTROL	US - (United States)	02/06/76	73/076419	11/23/76	1053234
TOTALTREAT	US - (United States)	03/13/91	74/147385	01/14/92	1671678
TOW-BRO	US - (United States)	12/13/54	71/678197	04/03/56	0624413
TRANS-FLO	US - (United States)	03/19/01	78/053808	05/14/02	2570248
Transforming Water....	US - (United States)	07/14/17	87/528351	01/09/18	5375424
U.S. FILTER	US - (United States)	07/26/95	74/706399	09/24/96	2002710
U.S. FILTER and D	US - (United States)	07/26/95	74/706224	10/01/96	2004175
U.S. FILTER					
ULTRACARB	US - (United States)	06/28/01	76/278736	09/24/02	2626519
ULTROX	US - (United States)	10/01/76	73/101867	10/18/77	1075440
USFILTER and Design	US - (United States)	01/08/99	75/617463	07/03/01	2466222
US Filter	US - (United States)	01/08/99	75/617470	07/03/01	2466223
VACFLUSH	US - (United States)	01/22/86	73/578961	10/07/86	1412037
VANOX	US - (United States)	05/22/09	77/743387	05/24/11	3966844
VANTAGE	US - (United States)	08/03/06	78/944507	01/15/08	3369402
VAPORLINK	US - (United States)	08/30/10	85/118420	10/16/12	4226234
VARI-CANT	US - (United States)	01/22/86	73/578899	01/06/87	1423626
VENT-SCRUB	US - (United States)	02/15/07	77/108590	10/14/08	3514727
VERSADOSE	US - (United States)	11/11/09	77/870300	12/28/10	3896153
VERTICEL	US - (United States)	01/19/01	76/196175	04/08/03	2705205

Grantor: Evoqua Water Technologies LLC,					
Mark	Country	Application Date	Application No.	Registration Date	Registration No.
VLR	US - (United States)	10/19/95	75/007939	01/27/98	2133076
VOCARB	US - (United States)	06/29/01	76/278711	03/19/02	2550052
W&T	US - (United States)	09/25/70	72/371789	10/17/72	0945204
W&T	US - (United States)	09/25/70	72/371787	02/29/72	0929980
W&T	US - (United States)	09/25/70	72/371785	12/14/71	0925373
WALLACE & TIERNAN	US - (United States)	09/25/79	72/371788	02/29/72	0929981
WALLACE & TIERNAN	US - (United States)	06/12/07	77/204116	06/24/08	3452404
WALLACE & TIERNAN	US - (United States)	06/12/07	77/204076	06/24/08	3452403
WALLACE & TIERNAN	US - (United States)	08/24/07	77/263985	06/24/08	3452630
WATER ASSURE	US - (United States)	10/30/15	86/804323	10/18/16	5065751
WATER CHAMP	US - (United States)	08/22/94	74/564311	03/05/96	1959774
WATER ONE	US - (United States)	02/26/03	78/219246	11/30/04	2906231
WATERCOMPLETE	US - (United States)	12/12/14	86/479285	05/24/16	4965592
WESTATES	US - (United States)	03/13/06	78/835386	05/15/07	3241749
WHISPER	US - (United States)	10/27/15	86/800159	12/06/16	5096938
WIN CPD	US - (United States)	08/11/99	75/773029	03/26/02	2553365
WORRY-FREE WATER	US - (United States)	07/17/17	87/530901	03/06/18	5420004
ZABOCS	US - (United States)	08/11/03	78/285633	10/19/04	2895616
LINK2Site	US - (United States)	6/19/2007	77/209670	5/12/2009	3619978

Grantor: Neptune Benson, Inc.

Mark	Country	Application Date	Application No.	Registration Date	Registration No.
DEFENDER	US - (United States)	01/23/04	76/571653	08/23/05	2987909
DEFENDER	US - (United States)	01/23/04	76/571653	08/23/05	2987909
DEFENDER ASSERO	US - (United States)	11/29/12	85/790145	03/03/15	4696415
DELTA	US - (United States)	01/27/05	78/555307	02/14/06	3058944
DELTA UV	US - (United States)	12/18/08	77/636214	12/29/09	3732580
DOMINION	US - (United States)	09/06/17	87/597342	04/03/18	5437895
DRAIN THE DECK	US - (United States)	11/03/08	77/606079	06/09/09	3634776
ELEKTRA	US - (United States)	03/19/04	78/387777	11/15/05	3015040
EZ STRAINER	US - (United States)	06/11/15	86/658933	11/22/16	5087574
G DRAIN THE DECK (STYLIZED)	US - (United States)	05/01/98	75/477677	10/15/02	2635643
LAWSON AQUATICS	US - (United States)	11/05/07	77/321561	08/04/09	3662431
LAWSON AQUATICS	US - (United States)	04/12/19	88/383624	10/22/19	5890392
NEPTUNE-BENSON	US - (United States)	04/25/12	85/607474	01/08/13	4271226
OBSSESSED WITH CLEAN WATER	US - (United States)	12/19/14	86/486328	04/05/16	4933634
OPTISAND	US - (United States)	01/12/07	77/082298	12/22/09	3727008
POWERBUMP	US - (United States)	07/10/20	90046911		
ProStrainer	US - (United States)	02/14/14	86/194669	09/16/14	4605230
QUIET-FLOW	US - (United States)	11/05/07	77/321488	08/04/09	3662430
VACLEEN	US - (United States)	06/02/03	78/257147	09/21/04	2886468
VACLEEN AUTOMATIC FILTRATION	US - (United States)	08/05/11	85/391240	01/24/12	4125417
VORTISAND	US - (United States)	04/16/96	75/088882	02/10/98	2135265
VORTISAND H2F (STYLIZED)	US - (United States)	03/26/14	86/232409	07/26/16	5005716
WHEN WATER COUNTS	US - (United States)	06/16/82	73/604551	01/27/87	1426477
SAFER FOR YOU. BETTER FOR THE ENVIRONMENT	US - (United States)	2/6/2006	77/664871	8/31/2010	3842434

REGISTERED COPYRIGHTS

Evoqua Water Technologies LLC

Mark Name	Country	Application Date	Application Number	Registration Date	Registration Number
AUTOMATIC PUMP CABINET...	US - (United States)	5/10/2016		5/10/2016	VAu 1-244-066
AUTOMATIC PUMP W AIR BLOWDOWN.	US - (United States)	5/10/2016		5/10/2016	VAu 1-244-068
FILTER PRESSES	US - (United States)	10/21/2015		10/21/2015	VAu-1-223-332
HOW DOES A FILTER PRESS WORK?	US - (United States)	10/21/2015		10/21/2015	VAu-1-223-330
J-PRESS 1200MM OWNERS MANUAL	US - (United States)	5/10/2016		5/10/2016	VAu 1-248-136
J-PRESS FILTER PRESS 630 MM O	US - (United States)	5/10/2016		5/10/2016	VAu 1-248-284
J-PRESS LIQUIDS-SOLIDS...	US - (United States)	5/10/2016		5/10/2016	VAu 1-247-900

J-MATE SLUDGE DRYER 360G OWNERS MANUAL	US	8/18/2017		8/18/2017	VAu001289796
JWI FILTER PRESS INSTRUCTION MANUAL	US	8/18/2017		8/18/2017	VAu001289795
J-PRESS FILTER PRESS 470M OWNERS-MANUAL	US	8/18/2017		8/18/2017	VAu001289792

**Schedule D to the
First Lien IP Security Agreement**

EXCLUSIVE COPYRIGHT LICENSES

None.

Exhibit C to Security Agreement

#94317569v4

RECORDED: 04/07/2021

**PATENT
REEL: 055848 FRAME: 0729**