

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

Assignment ID: PATI99104

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	PUROLITE CORPORATION	11/16/2021
<b>RECEIVING PARTY DATA</b>		
<b>Company Name:</b>	ECOLAB U.S. 8 LLC	
<b>Street Address:</b>	1 ECOLAB PLACE	
<b>City:</b>	ST. PAUL	
<b>State/Country:</b>	MINNESOTA	
<b>Postal Code:</b>	55102	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Patent Number:	8729295
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	8777697945	
<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>		
<b>Phone:</b>	2127655070	
<b>Email:</b>	apsi@fr.com	
<b>Correspondent Name:</b>	Robert C. Sullivan, Jr.	
<b>Address Line 1:</b>	Fish & Richardson P.C.	
<b>Address Line 2:</b>	P.O. Box 1022	
<b>Address Line 4:</b>	Minneapolis, MINNESOTA 55440	
<b>ATTORNEY DOCKET NUMBER:</b>	53444-0007001	
<b>NAME OF SUBMITTER:</b>	Gina Maldonado	
<b>SIGNATURE:</b>	Gina Maldonado	
<b>DATE SIGNED:</b>	03/16/2024	
<b>Total Attachments: 27</b>		
source=53444__3_PuroliteCorporation to Ecolab Intellectual Property Assignment Agreement (Executed)#page1.tif		
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## INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

This Intellectual Property Assignment Agreement (this “Agreement”) is entered into by and between Purolite Corporation, a Delaware corporation (the “Assignor”) and Ecolab U.S. 8 LLC, a Delaware limited liability company (“Assignee,” and together with the Assignor, the “Parties” and any of them, a “Party”), as of December 1, 2021, pursuant to the Stock and Asset Purchase Agreement, dated as of October 28, 2021 (the “Purchase Agreement”), by and among the Assignor, Stefan E. Brodie and Don B. Brodie (the “Founder Sellers” and together with the Assignor, the “Sellers”), Stefan E. Brodie, solely in his capacity as the representative of the Sellers and Assignee. Capitalized terms used and not defined herein have the respective meanings ascribed to them in the Purchase Agreement.

## RECITALS

WHEREAS, pursuant to, and subject to the terms of, the Purchase Agreement, the Assignor has agreed to sell, convey, assign and transfer to Assignee, and Assignee has agreed to purchase, acquire and accept from the Assignor, the Purchased Assets, including the Intellectual Property listed on Schedule 1 hereto, together with (a) all registrations and applications for registration thereof, (b) any provisionals, divisionals, continuations, continuations-in-part, renewals, reissuances, re-examinations and extensions of any of the foregoing (as applicable), (c) rights to sue for past, present, and future infringement of the rights set forth above, and (d) the on-going and existing business relating to the Trademarks and all of the goodwill symbolized by or associated with the Trademarks (the “Registered Intellectual Property”).

NOW, THEREFORE, in consideration of the mutual agreements contained herein and in the Purchase Agreement, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties hereby agree as follows:

1. Assignment of Intellectual Property. The Assignor hereby sells, conveys, assigns, and transfers to Assignee, and Assignee hereby purchases, acquires and accepts, all of the Assignor’s right, title and interest in and to the Registered Intellectual Property.

2. Recordation. The Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Registered Intellectual Property to Assignee. The Assignor hereby requests the Commissioner of Patents and Trademarks to record Assignee as the assignee and owner of the Registered Intellectual Property. Assignee shall have the right to record this Agreement with all applicable Governmental Authorities and registrars, and any and all other documents required by such entities, so as to officially record and perfect its ownership of the Registered Intellectual Property.

3. Terms of the Agreement. All of the terms of the Purchase Agreement are incorporated herein by this reference. In the event of any conflict or inconsistency between the terms of the Purchase Agreement and the terms hereof, the terms of the Purchase Agreement shall govern. This Agreement shall not enlarge, restrict or otherwise modify the terms of the Purchase Agreement or constitute a waiver or release of any of the terms of the Purchase Agreement, including the representations, warranties, covenants and agreements set forth in the Purchase Agreement.

4. Indemnities. Nothing in this Agreement is intended to impair or alter the rights of any Party under the indemnification provisions set forth in Article X of the Purchase Agreement.

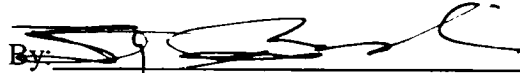
5. Governing Law. THIS AGREEMENT AND ANY CLAIM, CONTROVERSY OR DISPUTE ARISING UNDER OR RELATED IN ANY WAY TO THIS AGREEMENT AND THE INTERPRETATION AND ENFORCEMENT OF THE RIGHTS AND DUTIES OF THE PARTIES HEREUNDER OR RELATED IN ANY WAY TO THE FOREGOING, SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE DOMESTIC LAW OF THE STATE OF DELAWARE WITHOUT GIVING EFFECT TO ANY CHOICE OR CONFLICT OF LAW PROVISION OR RULE (WHETHER OF THE STATE OF DELAWARE OR ANY OTHER JURISDICTION) THAT WOULD CAUSE THE APPLICATION OF THE LAWS OF ANY JURISDICTION OTHER THAN THE STATE OF DELAWARE. THE PARTIES AGREE THAT (A) THE REQUIREMENTS OF 6. DEL. C. § 2708 ARE SATISFIED AND THAT THE STATUTE MANDATES THE APPLICATION OF DELAWARE LAW TO THIS AGREEMENT AND THE INTERPRETATION AND ENFORCEMENT OF THE RIGHTS AND DUTIES OF THE PARTIES, (B) NO OTHER JURISDICTION HAS A MATERIALLY GREATER INTEREST IN THE FOREGOING, AND (C) THE APPLICATION OF DELAWARE LAW WOULD NOT BE CONTRARY TO THE FUNDAMENTAL POLICY OF ANY OTHER JURISDICTION THAT, ABSENT THE PARTIES' CHOICE OF DELAWARE LAW, WOULD HAVE AN INTEREST IN THE FOREGOING.

6. Counterparts. This Agreement may be executed in separate counterparts each of which is an original but all of which taken together shall constitute one and the same instrument.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the Parties have executed or caused this Agreement to be executed as of the date first written above.

**PUROLITE CORPORATION**

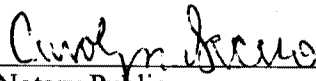
By: 

Name: Stefan E. Brodie  
Title: Chief Executive Officer  
and President

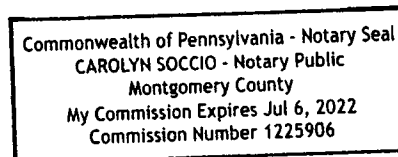
COMMONWEALTH OF PENNSYLVANIA :  
COUNTY OF *Montgomery* SS.:

On this, the 16th day of November, 2021, before me a Notary Public in and for the Commonwealth and County aforesaid, personally appeared Stefan E. Brodie, who acknowledged himself to be the Chief Executive Officer and President of Purolite Corporation, a Delaware Corporation, and that as such officer being authorized to do so, executed the foregoing instrument for the purposes therein contained, by signing the name of the corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

  
Notary Public

My Commission expires: *July 6, 2022*



[Signature Page to Intellectual Property Assignment Agreement]

ECOLAB U.S. 8 LLC

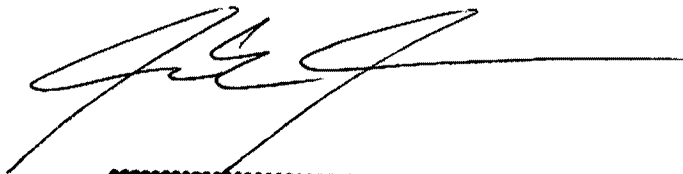
By: AM Busch  
Name: Angela M. Busch  
Title: Executive Vice President -  
Corporate & Business Development

STATE OF MINNESOTA

County of ~~Dakota~~ Hennepin

On this 21 day of NOV, 2021 before me, JASON ERIC JORGENSEN, Notary Public, personally appeared ANGELA M. BUSCH, personally known to me or identified by me to be the person whose name is subscribed to the within instrument and evidenced to me that they executed the same in their authorized capacity, and that by their signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal



*[Signature Page to Intellectual Property Assignment Agreement]*

PATENT  
REEL: 066801 FRAME: 0702

SCHEDULE 1  
Registered Intellectual Property

Trademark Registrations and Applications:

Trademark	Filing Date	Ser. No.	Reg. Date	Reg. No.	Jurisdiction	Status
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	AUSTRIA	REGISTERED
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	BENELUX	REGISTERED
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	CHINA	REGISTERED
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	DENMARK	REGISTERED
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	FINLAND	REGISTERED
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	FRANCE	REGISTERED
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	HUNGARY	REGISTERED
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	ITALY	REGISTERED
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	NORWAY	REGISTERED
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	POLAND	REGISTERED

Trademark	Filing Date	Ser. No.	Reg. Date	Reg. No.	Jurisdiction	Status
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	ROMANIA	REGISTERED
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	RUSSIAN FEDERATION	REGISTERED
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	SPAIN	REGISTERED
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	SWEDEN	REGISTERED
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	SWITZERLAND	REGISTERED
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	TURKEY	REGISTERED
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	UKRAINE	REGISTERED
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	UNITED KINGDOM	REGISTERED
CHROMALITE	02/01/2021	90/501,108			UNITED STATES	PENDING
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	UZBEKISTAN	REGISTERED
CHROMALITE	12/16/1999	IR727576	12/16/1999	IR727576	WIPO	REGISTERED
HYPER SOL-MACRONET	08/30/1994	IR623474	08/30/1994	IR623474	BENELUX	REGISTERED



Trademark	Filing Date	Ser. No.	Reg. Date	Reg. No.	Jurisdiction	Status
HYBERSOL-MACRONET	08/30/1994	IR623474	08/30/1994	IR623474	CHINA	REGISTERED
HYBERSOL-MACRONET	08/30/1994	IR623474	08/30/1994	IR623474	EGYPT	REGISTERED
HYBERSOL-MACRONET	08/30/1994	IR623474	08/30/1994	IR623474	GERMANY	REGISTERED
HYBERSOL-MACRONET	08/30/1994	IR623474	08/30/1994	IR623474	ITALY	REGISTERED
HYBERSOL-MACRONET	08/30/1994	IR623474	08/30/1994	IR623474	POLAND	REGISTERED
HYBERSOL-MACRONET	08/30/1994	IR623474	08/30/1994	IR623474	ROMANIA	REGISTERED
HYBERSOL-MACRONET	08/30/1994	IR623474	08/30/1994	IR623474	RUSSIAN FEDERATION	REGISTERED
HYBERSOL-MACRONET	08/30/1994	IR623474	08/30/1994	IR623474	SPAIN	REGISTERED
HYBERSOL-MACRONET	08/30/1994	IR623474	08/30/1994	IR623474	UNITED KINGDOM	REGISTERED
HYBERSOL-MACRONET	08/30/1994	IR623474	08/30/1994	IR623474	WIPO	REGISTERED
MACRONET	08/30/1994	IR623473	08/30/1994	IR623473	BENELUX	REGISTERED
MACRONET	08/30/1994	IR623473	08/30/1994	IR623473	CHINA	REGISTERED

Trademark	Filing Date	Ser. No.	Reg. Date	Reg. No.	Jurisdiction	Status
MACRONET	08/30/1994	IR623473	08/30/1994	IR623473	EGYPT	REGISTERED
MACRONET	03/02/1994	94509107	03/02/1994	94509107	FRANCE	REGISTERED
MACRONET	08/30/1994	IR623473	08/30/1994	IR623473	GERMANY	REGISTERED
MACRONET	08/30/1994	IR623473	08/30/1994	IR623473	ITALY	REGISTERED
MACRONET	08/30/1994	IR623473	08/30/1994	IR623473	POLAND	REGISTERED
MACRONET	08/30/1994	IR623473	08/30/1994	IR623473	ROMANIA	REGISTERED
MACRONET	08/30/1994	IR623473	08/30/1994	IR623473	RUSSIAN FEDERATION	REGISTERED
MACRONET	08/30/1994	IR623473	08/30/1994	IR623473	SPAIN	REGISTERED
MACRONET	08/30/1994	IR623473	08/30/1994	IR623473	UNITED KINGDOM	REGISTERED
MACRONET	02/01/2021	90/501,101			UNITED STATES	PENDING
MACRONET	08/30/1994	IR623473	08/30/1994	IR623473	WIPO	REGISTERED
MICROLITE	02/22/2008	006711907	04/17/2009	006711907	EUROPEAN UNION	REGISTERED

Trademark	Filing Date	Ser. No.	Reg. Date	Reg. No.	Jurisdiction	Status
MICROLITE	04/07/1988	IR523046	04/07/1988	IR523046	GERMANY	REGISTERED
MICROLITE	04/07/1988	IR523046	04/07/1988	IR523046	ITALY	REGISTERED
MICROLITE	02/22/2008	UK0090671907	04/17/2009	UK0090671907	UNITED KINGDOM	REGISTERED
MICROLITE	09/23/2016	87181.534	05/02/2017	5.195.405	UNITED STATES	REGISTERED
MICROLITE	04/07/1988	IR523046	04/07/1988	IR523046	WIPO	REGISTERED
PRAESTO	05/18/2017	24194290	02/14/2019	24194290	CHINA	REGISTERED
PRAESTO	11/03/2014	13426077	03/26/2015	13426077	EUROPEAN UNION	REGISTERED
PRAESTO	10/31/2014	IR1237936	08/04/2015	IR1237936	GERMANY	REGISTERED
PRAESTO	10/31/2014	IR1237936	10/31/2014	IR1237936	INDIA	REGISTERED
PRAESTO	10/31/2014	IR1237936	10/31/2014	IR1237936	JAPAN	REGISTERED
PRAESTO	04/30/2015	40201532501	10/30/2017	401298451	SOUTH KOREA	REGISTERED
PRAESTO	04/30/2015	104024121	12/01/2015	1740332	TAIWAN	REGISTERED

Trademark	Filing Date	Ser. No.	Reg. Date	Reg. No.	Jurisdiction	Status
PRAESTO	11/03/2014	UK00913428077	03/26/2015	UK00913428077	UNITED KINGDOM	REGISTERED
PRAESTO	05/01/2014	86/269,093	01/19/2016	4,890,114	UNITED STATES	REGISTERED
PRAESTO	05/01/2015	86/617,249	12/29/2015	4,877,247	UNITED STATES	REGISTERED
PRAESTO	10/31/2014	IR1237936	10/31/2014	IR1237936	WIPO	REGISTERED
PUROFINE	09/19/2016	015842024	01/16/2017	015842024	EUROPEAN UNION	REGISTERED
PUROFINE	10/04/1989	1553877	10/04/1989	1553877	FRANCE	REGISTERED
PUROFINE	04/03/1990	UK00001419617	10/30/1992	UK00001419617	UNITED KINGDOM	REGISTERED
PUROFINE	09/19/2016	UK00915842024	01/16/2017	UK00915842024	UNITED KINGDOM	REGISTERED
PUROFINE	03/10/1999	75/657,629	03/28/2000	2,335,442	UNITED STATES	REGISTERED
Puroilite	10/01/2012	IR1137346	10/01/2012	IR1137346	AUSTRALIA	REGISTERED
Puroilite	10/01/2012	IR1137346	10/01/2012	IR1137346	BAHRAN	REGISTERED
Puroilite	10/17/2012	840302274	04/05/2016	840302274	BRAZIL	REGISTERED

Trademark	Filing Date	Ser. No.	Reg. Date	Reg. No.	Jurisdiction	Status
Puroilite	10/15/2012	1598238	04/23/2014	TMA876269	CANADA	REGISTERED
Puroilite	10/24/2006	5678888	01/28/2010	5678888	CHINA	REGISTERED
Puroilite	07/14/2014	14690988	08/21/2015	14690988	CHINA	REGISTERED
Puroilite	07/14/2014	14690989	08/28/2015	14690989	CHINA	REGISTERED
Puroilite	03/04/2020	44356773	11/14/2020	44356773	CHINA	REGISTERED
Puroilite	10/24/2006	5678886	01/28/2010	5678886	CHINA	REGISTERED
Puroilite	10/24/2006	5678885	08/28/2009	5678885	CHINA	REGISTERED
Puroilite	07/14/2014	14690986	08/21/2015	14690986	CHINA	REGISTERED
Puroilite	07/14/2014	14690987	08/28/2015	14690987	CHINA	REGISTERED
Puroilite	10/24/2006	5678884	09/28/2009	5678884	CHINA	REGISTERED
Puroilite	10/24/2006	5678883	01/07/2010	5678883	CHINA	REGISTERED
Puroilite	10/24/2006	5678882	12/28/2009	5678882	CHINA	REGISTERED

Trademark	Filing Date	Ser. No.	Reg. Date	Reg. No.	Jurisdiction	Status
Puroilite	10/24/2006	5678881	03/28/2010	5678881	CHINA	REGISTERED
Puroilite	10/24/2006	5678880	07/28/2010	5678880	CHINA	REGISTERED
Puroilite	10/24/2006	5678879	12/28/2009	5678879	CHINA	REGISTERED
Puroilite	07/14/2014	14690984	08/21/2015	14690984	CHINA	REGISTERED
Puroilite	07/14/2014	14690985	08/28/2015	14690985	CHINA	REGISTERED
Puroilite	8/6/2008	6884054	09/14/2010	6884054	CHINA	REGISTERED
Puroilite	10/01/2012	IR1137346A	10/01/2012	IR1137346A	CHINA	REGISTERED
Puroilite	10/01/2012	IR1137346	10/01/2012	IR1137346	COLOMBIA	REGISTERED
Puroilite	10/01/2012	IR1137346	10/01/2012	IR1137346	EGYPT	REGISTERED
Puroilite	10/01/2012	IR1137346	10/15/2013	IR1137346	EUROPEAN UNION	REGISTERED
Puroilite	05/05/1986	1353565	05/05/1986	1353565	FRANCE	REGISTERED
Puroilite	10/19/2012	2415152	08/30/2018	2415152	INDIA	REGISTERED

Trademark	Filing Date	Ser. No.	Reg. Date	Reg. No.	Jurisdiction	Status
Puroilite	09/01/1986	459476	09/01/1986	459476	INDIA	REGISTERED
Puroilite	05/16/2013	D002012051163	10/31/2016	IDM000550481	INDONESIA	REGISTERED
Puroilite	10/01/2012	IR1137346	10/01/2012	IR1137346	ISRAEL	REGISTERED
Puroilite	10/01/2012	IR1137346	02/27/2015	IR1137346	JAPAN	REGISTERED
Puroilite	10/01/2012	IR1137346	10/01/2012	IR1137346	KAZAKHSTAN	REGISTERED
Puroilite	10/04/2012	2012016882	09/10/2012	201216882	MALAYSIA	REGISTERED
Puroilite	10/17/2012	1318090	11/1/2013	1410684	MEXICO	REGISTERED
Puroilite	06/27/2017	710683-2017 (2017-710683)	10/03/2017	P00255871	PERU	REGISTERED
Puroilite	10/01/2012	IR1137346	06/28/2020	IR1137346	PHILIPPINES	REGISTERED
Puroilite	10/01/2012	IR1137346	10/01/2012	IR1137346	RUSSIAN FEDERATION	REGISTERED
Puroilite	08/07/2015	2015724818	05/31/2017	618143	RUSSIAN FEDERATION	REGISTERED
Puroilite	05/16/2001	2001714449	04/24/2003	244536	RUSSIAN FEDERATION	REGISTERED

Trademark	Filing Date	Ser. No.	Reg. Date	Reg. No.	Jurisdiction	Status
Puroilite	10/01/2012	IR1137346	02/20/2014	IR1137346	SERBIA	REGISTERED
Puroilite	10/01/2012	IR1137346	10/01/2012	IR1137346	SINGAPORE	REGISTERED
Puroilite	10/02/2012	201226665	06/27/2014	201226665	SOUTH AFRICA	REGISTERED
Puroilite	10/01/2012	IR1137346	10/01/2012	IR1137346	SOUTH KOREA	REGISTERED
Puroilite	10/01/2012	IR1137346	03/06/2014	IR1137346	SWITZERLAND	REGISTERED
Puroilite	10/15/2012	101056379	07/16/2013	1568017	TAIWAN	REGISTERED
Puroilite	10/04/2012	865157	07/19/2017	171122621	THAILAND	REGISTERED
Puroilite	10/01/2012	IR1137346	03/13/2014	IR1137346	TURKEY	REGISTERED
Puroilite	10/01/2012	IR1137346	10/01/2012	IR1137346	UKRAINE	REGISTERED
Puroilite	02/07/2017	UK00003211198	04/28/2017	UK00003211198	UNITED KINGDOM	REGISTERED
Puroilite	10/01/2012	UK00801137346	10/15/2013	UK00801137346	UNITED KINGDOM	REGISTERED
Puroilite	09/10/2012	85724.626	04/02/2013	4,313,122	UNITED STATES	REGISTERED



Trademark	Filing Date	Ser. No.	Reg. Date	Reg. No.	Jurisdiction	Status
Puroilite	10/01/2012	IR1137346	10/01/2012	IR1137346	UZBEKISTAN	REGISTERED
Puroilite	10/01/2012	IR1137346	10/01/2012	IR1137346	VIET NAM	REGISTERED
Puroilite	10/01/2012	IR1137346	10/01/2012	IR1137346	WIPO	REGISTERED
Puroilite & Design	01/31/2007	005683421	02/11/2008	005683421	EUROPEAN UNION	REGISTERED
Puroilite & Design	01/31/2007	UK00905683421	02/11/2008	UK00905683421	UNITED KINGDOM	REGISTERED
Puroilite & Design	10/20/1997	820328286	9/19/2000	820328286	BRAZIL	EXPIRED
Puroilite & Design	1/28/1998	321030 (321030T)	7/30/1998	582714	MEXICO	EXPIRED
Puroilite & Design	3/20/1995	84012695	3/1/1996	708316	TAIWAN	EXPIRED
Puroilite & Design	10/20/2009	098046247	6/1/2010	01411555	TAIWAN	EXPIRED
Puroilite & Design	12/8/1987	171847		119219	THAILAND	EXPIRED
Puroilite & Design	5/15/2007	655863		274381	THAILAND	EXPIRED
Puroilite (Chinese Characters)	10/24/2006	5678889	08/07/2014	5678889	CHINA	REGISTERED

Trademark	Filing Date	Ser. No.	Reg. Date	Reg. No.	Jurisdiction	Status
Puroilite (Chinese Characters)	10/24/2006	5678968	11/21/2009	5678968	CHINA	REGISTERED
Puroilite (Chinese Characters)	10/24/2006	5678967	11/21/2009	5678967	CHINA	REGISTERED
Puroilite (Chinese Characters)	10/24/2006	5678966	08/28/2009	5678966	CHINA	REGISTERED
Puroilite (Chinese Characters)	10/24/2006	5678965	09/28/2009	5678965	CHINA	REGISTERED
Puroilite (Chinese Characters)	10/24/2006	5678964	08/14/2009	5678964	CHINA	REGISTERED
Puroilite (Chinese Characters)	10/24/2006	5678963	08/14/2009	5678963	CHINA	REGISTERED
Puroilite (Chinese Characters)	10/24/2006	5678962	04/14/2009	5678962	CHINA	REGISTERED
Puroilite (Chinese Characters)	10/24/2006	5678961	10/28/2009	5678961	CHINA	REGISTERED
Puroilite (Chinese Characters)	10/24/2006	5678960	12/28/2009	5678960	CHINA	REGISTERED
Puroilite (Chinese Characters)	8/6/2008	6884055	09/14/2010	6884055	CHINA	REGISTERED

Trademark	Filing Date	Ser. No.	Reg. Date	Reg. No.	Jurisdiction	Status
Puroilite and Design	11/04/2014	845521-2020 (2020-845521)	02/12/2015	P00221214	PERU	REGISTERED
Puroilite Design	10/01/2012	IR1137351	10/01/2012	IR1137351	AUSTRALIA	REGISTERED
Puroilite Design	10/01/2012	IR1137351	10/01/2012	IR1137351	BAHRAIN	REGISTERED
Puroilite Design	10/01/2012	IR1137351	10/01/2012	IR1137351	BELARUS	REGISTERED
Puroilite Design	10/17/2012	840302223	09/15/2015	840302223	BRAZIL	REGISTERED
Puroilite Design	10/02/2012	1596642	11/04/2014	TMA889376	CANADA	REGISTERED
Puroilite Design	10/01/2012	IR1137351	10/01/2012	IR1137351	CHINA	REGISTERED
Puroilite Design	10/01/2012	IR1137351	10/01/2012	IR1137351	COLOMBIA	REGISTERED
Puroilite Design	10/01/2012	IR1137351	10/01/2012	IR1137351	EGYPT	REGISTERED
Puroilite Design	10/01/2012	IR1137351	10/15/2013	IR1137351	EUROPEAN UNION	REGISTERED
Puroilite Design	10/19/2012	2415151	10/19/2012	2415151	INDIA	REGISTERED
Puroilite Design	05/16/2013	D002012051162	10/31/2016	IDM000550480	INDONESIA	REGISTERED

Trademark	Filing Date	Ser. No.	Reg. Date	Reg. No.	Jurisdiction	Status
Puroilite Design	10/01/2012	IR1137351	10/01/2012	IR1137351	ISRAEL	REGISTERED
Puroilite Design	10/01/2012	IR1137351	10/01/2012	IR1137351	JAPAN	REGISTERED
Puroilite Design	10/01/2012	IR1137351	10/01/2012	IR1137351	KAZAKHSTAN	REGISTERED
Puroilite Design	10/04/2012	2012016881	09/10/2012	2012016881	MALAYSIA	REGISTERED
Puroilite Design	10/17/2012	1318089	03/07/2013	1363271	MEXICO	REGISTERED
Puroilite Design	06/27/2017	710684-2017 (2017-710684)	02/23/2018	P00269109	PERU	REGISTERED
Puroilite Design	10/01/2012	IR1137351	04/16/2014	IR1137351	PHILIPPINES	REGISTERED
Puroilite Design	10/01/2012	IR1137351	10/01/2012	IR1137351	RUSSIAN FEDERATION	REGISTERED
Puroilite Design	10/01/2012	IR1137351	02/20/2014	IR1137351	SERBIA	REGISTERED
Puroilite Design	10/01/2012	IR1137351	10/01/2012	IR1137351	SINGAPORE	REGISTERED
Puroilite Design	10/02/2012	201226664	08/29/2014	201226664	SOUTH AFRICA	REGISTERED
Puroilite Design	10/01/2012	IR1137351	10/01/2012	IR1137351	SOUTH KOREA	REGISTERED

Trademark	Filing Date	Ser. No.	Reg. Date	Reg. No.	Jurisdiction	Status
Puroilite Design	10/01/2012	IR1137351	03/06/2014	IR1137351	SWITZERLAND	REGISTERED
Puroilite Design	10/15/2012	101058378	07/01/2013	1585611	TAIWAN	REGISTERED
Puroilite Design	10/04/2012	865156	12/23/2015	TM406585	THAILAND	REGISTERED
Puroilite Design	03/13/2015	977963	01/20/2017	171102067	THAILAND	REGISTERED
Puroilite Design	10/01/2012	IR1137351	03/13/2014	IR1137351	TURKEY	REGISTERED
Puroilite Design	10/01/2012	IR1137351	10/01/2012	IR1137351	UKRAINE	REGISTERED
Puroilite Design	02/07/2017	UK0000321197	04/28/2017	UK0000321197	UNITED KINGDOM	REGISTERED
Puroilite Design	10/01/2012	UK00801137351	10/15/2013	UK00801137351	UNITED KINGDOM	REGISTERED
Puroilite Design	09/10/2012	85724,623	06/25/2013	4,359,313	UNITED STATES	REGISTERED
Puroilite Design	10/01/2012	IR1137351	10/01/2012	IR1137351	UZBEKISTAN	REGISTERED
Puroilite Design	10/01/2012	IR1137351	10/01/2012	IR1137351	VIET NAM	REGISTERED
Puroilite Design	10/01/2012	IR1137351	10/01/2012	IR1137351	WIPO	REGISTERED

Trademark	Filing Date	Ser. No.	Reg. Date	Reg. No.	Jurisdiction	Status
Purolite in Katakana	08/05/2013	201360580	01/31/2014	5646380	JAPAN	REGISTERED
PUROPACK	01/03/2020	UK00003455246	03/27/2020	UK00003455246	UNITED KINGDOM	REGISTERED
PUROPACK	07/03/1996	75129,416	08/25/1998	2,184,625	UNITED STATES	REGISTERED
SST	08/23/2012	1591299	09/11/2013	TMA859908	CANADA	REGISTERED
SST	01/03/2020	UK00003455285	08/08/2020	UK00003455285	UNITED KINGDOM	REGISTERED
SST	11/12/2012	85777,363	11/12/2013	4,431,270	UNITED STATES	REGISTERED
SUPER GEL & Design	02/19/1987	1394857	02/19/1987	1394857	FRANCE	REGISTERED
SUPER GEL & Design	01/03/2020	UK00003455305	08/08/2020	UK00003455305	UNITED KINGDOM	REGISTERED
Purolite	03/05/2020	44389591	6/7/2021	44389591	CHINA	REGISTERED
Purolite	10/24/2006	5678978	12/28/2009	5678978	CHINA	REGISTERED
Purolite	10/24/2006	5678957	01/28/2010	5678957	CHINA	REGISTERED
Purolite	10/24/2006	5678956	01/28/2010	5678956	CHINA	REGISTERED

Trademark	Filing Date	Ser. No.	Reg. Date	Reg. No.	Jurisdiction	Status
Puroilite	10/24/2006	5678955	01/28/2010	5678955	CHINA	REGISTERED
Puroilite	10/24/2006	5678953	09/28/2009	5678953	CHINA	REGISTERED
Puroilite	10/24/2006	5678952	11/28/2009	5678952	CHINA	REGISTERED
Puroilite	10/24/2006	5678951	12/28/2009	5678951	CHINA	REGISTERED
Puroilite	10/24/2006	5678950	03/28/2010	5678950	CHINA	REGISTERED
Puroilite	10/24/2006	5678949	07/28/2010	5678949	CHINA	REGISTERED
Puroilite	07/26/1995	972080	04/07/1997	972080	CHINA	REGISTERED

Patents and Patent Applications:

Title	Filing Date	App. No.	Issue Date	Patent No.	Jurisdiction	Status
REDUCED FOULING OF REVERSE OSMOSIS MEMBRANES	1/19/2007	60/886,855			UNITED STATES	PRIORITY-EXPIRED
REDUCED FOULING OF REVERSE OSMOSIS MEMBRANES	1/16/2008	PCT/US2008/051222			WIPO	PRIORITY-EXPIRED

Title	Filing Date	App. No.	Issue Date	Patent No.	Jurisdiction	Status
REDUCED FOULING OF REVERSE OSMOSIS MEMBRANES	1/16/2008	12015,429	11/11/2014	8,883,012	UNITED STATES	ISSUED
REDUCED FOULING OF REVERSE OSMOSIS MEMBRANES	1/16/2008	2009-546498	1/11/2013	5172859	JAPAN	ISSUED
MACROPOROUS COPOLYMERS WITH LARGE PORES	3/26/2007	60/908,172			UNITED STATES	PRIORITY-EXPIRED
MACROPOROUS COPOLYMERS WITH LARGE PORES	3/26/2008	PCT/US2008/058288			WIPO	PRIORITY-EXPIRED
MACROPOROUS COPOLYMERS WITH LARGE PORES	3/26/2008	12056,166	7/30/2013	8,496,121	UNITED STATES	ISSUED
CONTROLLED CATALYSIS	10/26/2007	60/983,093			UNITED STATES	PRIORITY-EXPIRED
CONTROLLED CATALYSIS	10/24/2008	121258,123	5/20/2014	8,729,295	UNITED STATES	ISSUED
METHOD OF IODIDE REMOVAL	10/13/2009	PCT/US2009/060410			WIPO	PRIORITY-EXPIRED
METHOD OF IODIDE REMOVAL	2/10/2009	121388,896	9/15/2009	7,588,690	UNITED STATES	ISSUED
METHOD OF IODIDE REMOVAL	3/26/2009	200910130315.7	6/27/2012	CN101797523B	CHINA	ISSUED
METHOD OF IODIDE REMOVAL	10/13/2009	09840158.1			EUROPEAN PATENT CONVENTION	PUBLISHED



Title	Filing Date	App. No.	Issue Date	Patent No.	Jurisdiction	Status
METHOD OF IODIDE REMOVAL	2/9/2010	2010/15246	1/1/2015	GC0003034	GULF COOP COUNCIL	ISSUED
METHOD OF IODIDE REMOVAL	10/13/2009	4894/CHENP/2011	1/23/2018	292026	INDIA	ISSUED
METHOD OF IODIDE REMOVAL	10/13/2009	2011137440	3/20/2014	2509731	RUSSIAN FEDERATION	ISSUED
METHOD OF IODIDE REMOVAL	3/18/2009	98108748	9/1/2014	1450885	TAIWAN	ISSUED
WATER SOFTENER REGENERATION	1/26/2010	PCT/US2010/022030			WIPO	PRIORITY-EXPIRED
WATER SOFTENER REGENERATION	2/4/2009	12365.856	3/4/2014	8,663,476	UNITED STATES	ISSUED
WATER SOFTENER REGENERATION	1/26/2010	2,751,598	3/14/2017	2,751,598	CANADA	ISSUED
WATER SOFTENER REGENERATION	2/4/2010	20101011429.X	7/9/2014	CN101829610B	CHINA	ISSUED
WATER SOFTENER REGENERATION	1/26/2010	10738962.9	4/10/2019	602010058147.0	GERMANY	ISSUED
WATER SOFTENER REGENERATION	1/26/2010	10738962.9	4/10/2019	2393757	EUROPEAN PATENT CONVENTION	ISSUED
WATER SOFTENER REGENERATION	1/26/2010	10738962.9	4/10/2019	2393757	FRANCE	ISSUED
WATER SOFTENER REGENERATION	1/26/2010	10738962.9	4/10/2019	2393757	UNITED KINGDOM	ISSUED

Title	Filing Date	App. No.	Issue Date	Patent No.	Jurisdiction	Status
WATER SOFTENER REGENERATION	1/26/2010	3105/KOLNP/2011	12/14/2017	290595	INDIA	ISSUED
WATER SOFTENER REGENERATION	1/26/2010	OMIP/2011/00168	3/12/2018	000058	OMAN	ISSUED
METHOD OF PRODUCING UNIFORM POLYMER BEADS OF VARIOUS SIZES	1/7/2011	61/430,748			UNITED STATES	PRIORITY-EXPIRED
METHOD OF PRODUCING UNIFORM POLYMER BEADS OF VARIOUS SIZES	1/6/2012	PCT/US2012/020484			WIPO	PRIORITY-EXPIRED
METHOD OF PRODUCING UNIFORM POLYMER BEADS OF VARIOUS SIZES	1/6/2012	13/345,244	8/16/2016	9,415,530	UNITED STATES	ISSUED
METHOD OF PRODUCING UNIFORM POLYMER BEADS OF VARIOUS SIZES	1/6/2012	2,823,978	5/1/2018	2,823,978	CANADA	ISSUED
METHOD OF PRODUCING UNIFORM POLYMER BEADS OF VARIOUS SIZES	1/6/2012	12732052.1	7/13/2016	2661456	GERMANY	ISSUED
METHOD OF PRODUCING UNIFORM POLYMER BEADS OF VARIOUS SIZES	1/6/2012	12732052.1	7/13/2016	2661456	EUROPEAN PATENT CONVENTION	ISSUED

Title	Filing Date	App. No.	Issue Date	Patent No.	Jurisdiction	Status
METHOD OF PRODUCING UNIFORM POLYMER BEADS OF VARIOUS SIZES	1/6/2012	12732052.1	7/13/2016	2661456	FRANCE	ISSUED
METHOD OF PRODUCING UNIFORM POLYMER BEADS OF VARIOUS SIZES	1/6/2012	12732052.1	7/13/2016	2661456	UNITED KINGDOM	ISSUED
METHOD OF PRODUCING UNIFORM POLYMER BEADS OF VARIOUS SIZES	1/6/2012	548577	8/19/2016	5987218	JAPAN	ISSUED
METHOD OF PRODUCING UNIFORM POLYMER BEADS OF VARIOUS SIZES	1/6/2012	12732052.1	7/13/2016	2661456	SWEEDEN	ISSUED
METHOD FOR PURIFYING WATER BY CYCLIC IONIC EXCHANGE	5/3/2010	61330,737			UNITED STATES	PRIORITY-EXPIRED
METHOD FOR PURIFYING WATER BY CYCLIC IONIC EXCHANGE	5/2/2011	PCT/US2011/034836			WIPO	PRIORITY-EXPIRED
METHOD FOR PURIFYING WATER BY CYCLIC IONIC EXCHANGE	5/2/2011	2011248353	1/23/2014	2011248353	AUSTRALIA	ISSUED
METHOD FOR PURIFYING WATER BY CYCLIC IONIC EXCHANGE	4/29/2011	100115213	8/1/2015	1494276	TAIWAN	ISSUED

Title	Filing Date	App. No.	Issue Date	Patent No.	Jurisdiction	Status
AMINATED ION EXCHANGE RESINS AND PRODUCTION METHODS THEREOF	10/4/2011	61/543,007			UNITED STATES	PRIORITY-EXPIRED
AMINATED ION EXCHANGE RESINS AND PRODUCTION METHODS THEREOF	9/29/2012	PCT/US2012/057755			WIPO	PRIORITY-EXPIRED
AMINATED ION EXCHANGE RESINS AND PRODUCTION METHODS THEREOF	9/24/2012	13/625,201	9/2/2014	8,822,554	UNITED STATES	ISSUED
AMINATED ION EXCHANGE RESINS AND PRODUCTION METHODS THEREOF	9/29/2012	12838904.6			EUROPEAN PATENT CONVENTION	PUBLISHED
METHOD OF PRODUCING UNIFORM POLYMER BEADS OF VARIOUS SIZES	3/5/2014	PCT/US2014/020841			WIPO	PRIORITY-EXPIRED
METHOD OF PRODUCING UNIFORM POLYMER BEADS OF VARIOUS SIZES	3/15/2013	13/836,939	5/12/2015	9,028,730	UNITED STATES	ISSUED
METHOD OF PRODUCING UNIFORM POLYMER BEADS BY VIBRATION JETTING	3/5/2014	14767690.2			EUROPEAN PATENT CONVENTION	PUBLISHED
METHOD OF PRODUCING UNIFORM POLYMER BEADS BY VIBRATION JETTING	3/5/2014	201480016175.X	4/27/2018	ZL201480016175.X	CHINA	ISSUED

Title	Filing Date	App. No.	Issue Date	Patent No.	Jurisdiction	Status
METHOD OF PRODUCING UNIFORM POLYMER BEADS OF VARIOUS SIZES	1/6/2012	201280008734.3	1/21/2015	CN103502323B	CHINA	ISSUED
METHODS FOR CHROMATOGRAPHIC PROTEIN EXTRACTION AND PURIFICATION	7/20/2020	63/063,942			UNITED STATES	EXPIRED
WATER TREATMENT	11/23/2021	PCT/US2021/60517			UNITED STATES	PENDING
PROGRESSIVE MULTI-BANK FILTRATION SYSTEM FOR PER- AND POLYFLUOROALKYL SUBSTANCES	11/25/2020	63/118,279			UNITED STATES	PENDING
PROCESS FOR REGENERATING AND PROTONATING A WEAK-BASE ANION EXCHANGE RESIN <sup>1</sup>	11/23/2005	11/287,579	1/25/2011	7875186	UNITED STATES	ISSUED
COMPOSITIONS AND METHODS FOR POLY-ADENYLATION RNA PURIFICATION AFFINITY CHROMATOGRAPHY	9/20/2021	63/246,077			UNITED STATES	PENDING
WEAK BASE ANION EXCHANGE RESIN REGENERATION	7/28/2021	63/226,311			UNITED STATES	PENDING

<sup>1</sup> Co-owned with Applied Research Associates, Inc.