

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4302369

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
WELLS FARGO BANK, NATIONAL ASSOCIATION	03/02/2017

RECEIVING PARTY DATA

Name:	CARBO CERAMICS INC.
Street Address:	575 N. DAIRY ASHFORD STREET
Internal Address:	SUITE 300
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77079
Name:	ASSET GUARD PRODUCTS INC. (F/K/A FALCON TECHNOLOGIES AND SERVICES, INC.)
Street Address:	575 N. DAIRY ASHFORD STREET
Internal Address:	SUITE 300
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77079
Name:	STRATAGEN, INC.
Street Address:	575 N. DAIRY ASHFORD STREET
Internal Address:	SUITE 300
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77079

PROPERTY NUMBERS Total: 68

Property Type	Number
Application Number:	14488989
Application Number:	62264010
Application Number:	62248436
Application Number:	15006936
PCT Number:	US2015050531
PCT Number:	US2016022155
Patent Number:	7387752

PATENT

Property Type	Number
Patent Number:	8216675
Patent Number:	7615172
Patent Number:	7828998
Patent Number:	8614157
Application Number:	14831249
Application Number:	14961038
Patent Number:	7119039
Patent Number:	7255815
Patent Number:	5964291
Application Number:	14950649
Patent Number:	7036591
Patent Number:	8063000
Patent Number:	8648309
Application Number:	14592150
Application Number:	14460715
PCT Number:	US2015043460
Application Number:	15130732
PCT Number:	US2016027917
Application Number:	14942304
Application Number:	14826965
Application Number:	14572486
PCT Number:	US2015065354
Application Number:	14629004
Application Number:	14593447
Application Number:	14147372
Application Number:	14323674
Patent Number:	9250351
PCT Number:	US2014045427
Application Number:	62158372
Patent Number:	7825053
Patent Number:	7678723
Patent Number:	7921910
Patent Number:	8234072
Patent Number:	8214151
Patent Number:	8100177
Application Number:	14805213
Patent Number:	8805615
Patent Number:	9038715

Property Type	Number
Patent Number:	7721804
Application Number:	14813452
PCT Number:	US2015042819
Application Number:	14857564
PCT Number:	US2015050759
Application Number:	15080206
PCT Number:	US2016024048
Application Number:	14259851
Application Number:	14982284
Application Number:	14213276
Application Number:	14802761
Application Number:	14502483
Patent Number:	8883693
Patent Number:	8865631
Patent Number:	9175210
PCT Number:	US2015052912
Patent Number:	8734052
Application Number:	14285898
Application Number:	29502259
Application Number:	14289708
Patent Number:	7494298
Patent Number:	7922423
Patent Number:	9262713

CORRESPONDENCE DATA

Fax Number: (212)508-6101
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: (713) 221-3306
Email: docketing@bracewelllaw.com
Correspondent Name: CONSTANCE GALL RHEBERGEN
Address Line 1: P.O. BOX 61389
Address Line 4: HOUSTON, TEXAS 77208-1389

ATTORNEY DOCKET NUMBER:	088599.000041
NAME OF SUBMITTER:	J. ERIC HOLLAND
SIGNATURE:	/J. Eric Holland/
DATE SIGNED:	03/03/2017

Total Attachments: 14
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RELEASE OF SECURITY INTEREST IN PATENTS AND TRADEMARKS

This RELEASE OF SECURITY INTEREST IN PATENTS AND TRADEMARKS (“Release”) is made and effective as of March 2, 2017 and granted by Wells Fargo Bank, National Association, a national association, in its capacity as administrative agent (the “Administrative Agent”) for the secured parties under the Credit Agreement referred to below (the “Secured Parties”), in favor of CARBO Ceramics Inc., a Delaware corporation (“Borrower”), certain Material Domestic Subsidiaries of the Borrower parties hereto from time to time, and their successors, legal representatives and assignees (collectively with the Borrower, the “Grantors”).

WHEREAS, Borrower entered into a Credit Agreement dated as of January 29, 2010 and that certain Amended and Restated Pledge and Security Agreement dated as of April 27, 2016 (collectively, the Credit Agreement”), with the Administrative Agent and the lenders party thereto;

WHEREAS, pursuant to the Credit Agreement, the Grantors executed and delivered to Administrative Agent a certain Patent and Trademark Security Agreement dated as of April 27, 2016 (the “Patent and Trademark Security Agreement”);

WHEREAS, pursuant to the Patent and Trademark Security Agreement, each Grantor pledged and granted to the Administrative Agent for the ratable benefit of the Secured Parties a security interest in and to all of the right, title and interest of such Grantor in, to and under the Patent and Trademark Collateral (as defined below);

WHEREAS, the Patent and Trademark Security Agreement was recorded with the United States Patent and Trademark Office at Reel 038555 and Frame 0688 on April 28, 2016, as to Patents, and under Reel 5781 and Frame 0206 on April 29, 2016, as to Trademarks;

WHEREAS, the Grantors have requested that the Administrative Agent enter into this Release in order to accomplish and evidence the release and reassignment of any and all right, title and interest the Administrative Agent and the Secured Parties may have in the Patent and Trademark Collateral pursuant to the Patent and Trademark Agreement.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Administrative Agent hereby states as follows:

1. **Definition.** The term “Patent and Trademark Collateral”, as used herein, shall mean all of each Grantor’s right, title and interest of every kind and nature as of the date hereof in the following (collectively, the “Patent and Trademark Collateral”)

- a. all of the Grantor’s right, title and interest in and to patents or applications for patent, fees or royalties with respect to each, and including without limitation the right to sue for past infringement and damages therefor, and licenses thereunder, listed on Schedule I – Item A hereto (the “Patents”); and
- b. all of the Grantor’s right, title and interest in and to: (i) trademarks, service marks, collective membership marks, registrations and applications for

registration for each, and the respective good will associated with each, (ii) licenses, fees or royalties with respect to each, (iii) the right to sue for past, present and future infringement, dilution and damages therefor, and (iv) licenses thereunder, all as presently existing or hereafter arising or acquired, including without limitation, the marks listed on Schedule I – Item B hereto (the “Trademarks”);

2. Release of Security Interest. Administrative Agent, on behalf of itself and the Secured Parties, their successors, legal representatives and assigns, hereby terminates, releases and discharges its security interest in and lien on the Patent and Trademark Collateral, and all other right, title, and interest in and to the Patent and Trademark Collateral and reassigns to the Grantor any and all such, right, title and interest that it may have in the Patent and Trademark Collateral.

3. Further Assurances. Administrative Agent agrees to take all further actions, and provide to the Grantors and their successors, assigns and legal representatives all such cooperation and assistance, including, without limitation, the execution and delivery of any and all further documents or other instruments, as the Grantors and their successors, assigns and legal representatives may reasonably request in order to confirm, effectuate or record this Release.

4. Governing Law. This Assignment shall be governed by and construed and enforced in accordance with the laws of the State of Texas.

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Executed to be effective as of the 28 day of February, 2017.

WELLS FARGO BANK, NATIONAL ASSOCIATION, as Administrative Agent

By: [Signature]

Name: David Maynard

Title: Senior Vice President

State of North Carolina §

County of Mecklenburg §

This instrument was acknowledged before me on this 28 day of February, 2017, by David Maynard as Senior Vice President of Wells Fargo Bank, National Association a national association, on behalf of said corporation.

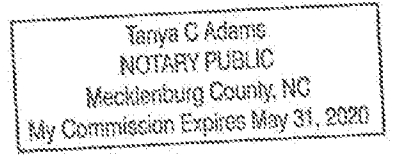
[Signature]

Notary Public in and for

The State of NC

Name: Tanya C. Adams

My Commission Expires: May 31, 2020



Schedule I

Item A – Patent Collateral

[See Attached]

Current Owner	Title	Country	Status	AppIn Number	AppIn Date	Nat'l Filing Date	Patent Number	Grant Date	Expiration Date	Inventors	Alternate Matter No
StrataGen, Inc.	WELLBORE	United States	GRANTED	13/604,367	09/05/2012	09/05/2012	9,262,713	02/16/2016	09/05/2032	SHELLEY, Robert	CARBO/0028US

Current Owner	Title	Country	Status	Sub Status	Sub Status Date	Appin Number	Appin Number	Appl Data	Mat' Filing Date	Patent Number	Grant Date	Expiration Date	Inventors	Alternate Matter No
Falcon Technologies and Services, Inc	IMPROVED TANK BASE	Canada	FILED			2,682,862	2,682,862	10/19/2009	10/19/2009				KRIEGS-HAUSER, Tim ;	FALC/0008CA
Falcon Technologies and Services, Inc	TANK BASE	United States	GRANTED			12,555,731	12,555,731	02/04/2009	02/04/2009	6,734,952	05/27/2014	01/04/2032	KRIEGS-HAUSER, Tim ;	FALC/0008US
Falcon Technologies and Services, Inc	TANK BASE	United States	FILED	ALLOWED	04/16/2016	14,285,888	14,285,888	05/23/2014	05/23/2014				KRIEGS-HAUSER, Tim ;	FALC/0003USC01
Falcon Technologies and Services, Inc	TANK BASE	United States	FILED			29,502,259	29,502,259	09/12/2014	09/12/2014				SHENG, Jack ; PERKINS, Larry	FALC/0004US
Falcon Technologies and Services, Inc	SECONDARY CONTAINMENT	United States	FILED	ALLOWED		14,599,708	14,599,708	05/29/2014	05/29/2014				PERKINS, Larry L	FALC/0006US
Falcon Technologies and Services, Inc	METHOD OF CONSTRUCTING	United States	GRANTED			11,426,966	11,426,966	06/28/2006	06/28/2006	7,484,268	02/24/2009	04/28/2027	PERKINS, Larry L	FALC/0006US
Falcon Technologies and Services, Inc	METHOD OF CONSTRUCTING	United States	GRANTED			12,391,106	12,391,106	02/23/2009	02/23/2009	7,922,483	04/12/2011	10/08/2026	PERKINS, Larry L	FALC/0006US02

Schedule I

Item B -- Trademark Collateral

[See Attached]

Carbo Ceramics, Inc.
Trademark Status Chart
April 21, 2016

HB Ref.	Country	Mark	Class(es)	Filing Date	App. No.	Reg. Date	Reg. No.	Status	Record Owner	Credit Party	Next Deadline
34955.407	Algeria	NRT	1	2/28/2011	110624	2/28/2011	79519	Registered	CCI	CCI	Renewal due 2/28/2021
34955.399	Angola	NRT	1	2/9/2011	27503/11			Pending	CCI	CCI	Awaiting Certificate of Registration
34955.429	Argentina	KRYPTOSPHERE	19	10/30/2013	3287872	11/10/2014	2892151	Registered	CCI	CCI	Renewal due 11/10/2024
34955.437	Australia	KRYPTOSPHERE	19	10/18/2013	1594048	5/28/2014	1183255	Registered	CCI	CCI	Renewal due 10/18/2023
34955.395	Bahrain	NRT	1	12/23/2010	1065984	12/23/2010	1065984	Registered	CCI	CCI	Renewal due 12/23/2020
34955.353	Brazil	CARBO ISP	19	12/19/2007	829519823	8/2/2011	829519823	Registered	CCI	CCI	Renewal due 8/2/2021
34955.430	Brazil	KRYPTOSPHERE	19	11/29/2013	840723849			Pending	CCI	CCI	Awaiting Certificate of Registration
34955.364	Canada	ECONOMIC CONDUCTIVITY	n/a	9/3/2008	1408274	8/19/2011	TMA804855	Registered	CCI	CCI	Renewal due 8/19/2026
34955.413	Canada	FALCON TECHNOLOGIES	n/a	9/20/2011	1544273			Pending	FTSI	FTSI	Declaration of Use and registration fee due 9/20/2016
34955.418	Canada	FRACPRO	n/a	2/15/2012	1564366	3/15/2013	TMA846388	Registered	STRATAGEN	STRATAGEN	Renewal due 3/15/2028
34955.359	Canada	HYDROPROP	n/a	3/25/2008	1388527	5/26/2009	TMA740804	Registered	CCI	CCI	Renewal due 5/26/2024
34955.431	Canada	KRYPTOSPHERE	n/a	2/21/2014	1665017			Pending	CCI	CCI	Declaration of Use and registration fee due 2/21/2017
34955.401	Canada	NRT	n/a	12/22/2010	1508966	11/26/2012	TMA836967	Registered	CCI	CCI	Renewal due 11/26/2027
34955.380	China	CARBO	19	6/21/2000	20000088598	8/28/2001	1624235	Registered	CCI	CCI	Renewal due 8/27/2021
34955.385	China	CARBO	1	6/21/2000	20000088597	9/28/2001	1640006	Registered	CCI	CCI	Renewal due 9/27/2021
34955.377	China	CARBO (and Design, in Color)	19	7/10/2000	2000100988	8/21/2001	1620176	Registered	CCI	CCI	Renewal due 8/20/2021
34955.387	China	CARBO (and Design, in Color)	1	7/10/2000	2000100985	3/14/2002	1728080	Registered	CCI	CCI	Renewal due 3/13/2022
34955.376	China	CARBO (in Chinese)	19	6/29/2000	2000093884	8/14/2001	1616874	Registered	CCI	CCI	Renewal due 8/13/2021
34955.386	China	CARBO (in Chinese)	1	6/29/2000	2000093881	3/21/2002	1732033	Registered	CCI	CCI	Renewal due 3/20/2022
34955.410	China	CARBO HYDROPROP	19	5/26/2011	9512032	8/28/2012	9512032	Registered	CCI	CCI	Renewal due 8/28/2022
34955.367	China	CARBO LITE	19	6/24/2009	7494256	10/28/2012	7494256	Registered	CCI	CCI	Renewal due 10/28/2022
34955.379	China	CARBOECONOPROP (Stylized)	19	6/21/2000	2000088600	8/28/2001	1624234	Registered	CCI	CCI	Renewal due 8/28/2021
34955.381	China	CARBOECONOPROP (Stylized)	1	6/21/2000	2000088599	9/28/2001	1640002	Registered	CCI	CCI	Renewal due 9/28/2021
34955.374	China	CARBOHSP (Stylized)	19	6/21/2000	5000088606	8/28/2001	1624231	Registered	CCI	CCI	Renewal due 8/28/2021
34955.384	China	CARBOHSP (Stylized)	1	6/21/2000	2000088605	9/28/2001	1640005	Registered	CCI	CCI	Renewal due 9/28/2021

34955.382	China	CARBOLITE	1	6/21/2000	2000088601	9/28/2001	1640003	Registered	CCI	CCI	Renewal due 9/28/2021
34955.378	China	CARBOPROP (Stylized)	19	6/21/2000	2000088604	8/28/2001	1624233	Registered	CCI	CCI	Renewal due 8/28/2021
34955.383	China	CARBOPROP (Stylized)	1	6/21/2000	2000088603	9/28/2001	1640004	Registered	CCI	CCI	Renewal due 9/28/2021
34955.419	China	FRACPRO	9	2/15/2012	10489598	4/7/2013	10489598	Registered	STRATAGEN	STRATAGEN	Renewal due 4/7/2023
34955.389	China	FRACPROPT	9	7/19/2010	8490014	7/28/2011	8490014	Registered	STRATAGEN	STRATAGEN	Renewal due 7/28/2021
34955.438	China	KRYPTOSPHERE	19	10/18/2013	1183255	8/12/2014	85849710	Registered	CCI	CCI	Renewal due 8/12/2024
34955.393	China	NRT	1	10/13/2010	8735930	10/21/2011	8735930	Registered	CCI	CCI	Renewal due 10/21/2021
34955.402	Colombia	NRT	1	5/10/2011	11-057276	3/22/2012	446516	Registered	CCI	CCI	Renewal due 3/22/2022
34955.351	Egypt	CARBO ISP	19	8/21/2007	205786	4/22/2009	205786	Registered	CCI	CCI	Renewal due 8/21/2017
34955.396	Egypt	NRT	1	12/23/2010	1065984	12/23/2010	1065984	Registered	CCI	CCI	Renewal due 12/23/2020
34955.441	European Union	KRYPTOSPHERE	19	10/18/2013	1183255	11/28/2013	1183255	Registered	CCI	CCI	Renewal due 10/18/2023
34955.355	Indonesia	CARBO ISP	19	11/21/2007	D002007038428	6/29/2010	IDM000254739	Registered	CCI	CCI	Renewal due 11/21/2017
34955.432	Indonesia	KRYPTOSPHERE	19	12/23/2013	2013061877			Pending	CCI	CCI	Awaiting Certificate of Registration
34955.404	Kuwait	NRT	1	5/12/2011	120604			Pending	CCI	CCI	Awaiting Certificate of Registration
34955.354	Mexico	CARBO ISP	19	8/22/2007	876862	4/28/2008	1036866	Registered	CCI	CCI	Renewal due 8/22/2017
34955.390	Mexico	FALCON TECHNOLOGIES	2	8/19/2010	1113472	6/30/2011	1225507	Registered	FTSI	FTSI	Renewal due 8/19/2020
34955.391	Mexico	FALCON TECHNOLOGIES	19	8/19/2010	1113473	4/28/2011	1214216	Registered	FTSI	FTSI	Renewal due 8/19/2020
34955.443	Mexico	KRYPTOSPHERE	19	10/18/2013	1437803	10/18/2013	1183255	Registered	CCI	CCI	Renewal due 10/18/2023
34955.405	Mexico	NRT	1	1/5/2011	1145363	11/16/2011	1252489	Registered	CCI	CCI	Renewal due 1/5/2021
34955.436	Norway	KRYPTOSPHERE	19	10/18/2013	1183255	7/11/2014	1183255	Registered	CCI	CCI	Renewal due 10/18/2023
34955.439	Oman	KRYPTOSPHERE	19	10/18/2013	1183255	10/18/2013	1183255	Registered	CCI	CCI	Renewal due 10/18/2023
34955.397	Oman	NRT	1	12/23/2010	1065984	12/23/2010	1065984	Registered	CCI	CCI	Renewal due 12/23/2020
34955.433	Qatar	KRYPTOSPHERE	19	2/16/2014	87248	12/9/2015	87248	Registered	CCI	CCI	Renewal due 2/16/2024
34955.400	Qatar	NRT	1	5/9/2011	68045	12/17/2013	68045	Registered	CCI	CCI	Renewal due 5/9/2021
34955.343	Russia	ACLUCAST	19	6/28/2004	2004714437	6/30/2005	291648	Registered	CCI	CCI	Renewal due 6/28/2024
34955.341	Russia	CARBO CERAMICS	19	6/28/2004	2004714439	4/28/2006	305835	Registered	CCI	CCI	Renewal due 6/28/2024
34955.347	Russia	CARBOACLUCAST	1	6/28/2004	2004714441	6/9/2005	290423	Registered	CCI	CCI	Renewal due 6/28/2024

34955.346	Russia	CARBOHSP	19	6/28/2004	2004714440	4/25/2005	287638	Registered	CCI	CCI	Renewal due 6/28/2024
34955.344	Russia	CARBOLITE	19	6/28/2004	200471443	7/7/2005	292055	Registered	CCI	CCI	Renewal due 6/28/2024
34955.421	Russia	CARBONRT	1	2/14/2012	2012703873	1/28/2013	479240	Registered	CCI	CCI	Renewal due 2/14/2022
34955.345	Russia	CARBOPROP	19	6/28/2004	2004714442	6/30/2005	291622	Registered	CCI	CCI	Renewal due 6/28/2024
34955.425	Russia	CARBOROSLITE	19	4/3/2013	2013710972	6/9/2015	545439	Registered	CCI	CCI	Renewal due 4/3/2023
34955.342	Russia	ECONOPROP	19	6/28/2004	2004714438	6/30/2005	291621	Registered	CCI	CCI	Renewal due 6/28/2024
34955.420	Russia	FRACPRO	9	2/15/2016	2012704065	3/13/2013	482371	Registered	STRATAGEN	STRATAGEN	Renewal due 2/15/2022
34955.388	Russia	FRACPROPT	9	6/28/2010	2010720882	4/22/2011	435824	Registered	STRATAGEN	STRATAGEN	Renewal due 6/28/2020
34955.440	Russia	KRYPTOSPHERE	19	10/18/2013	1183255	10/27/2014	1183255	Registered	CCI	CCI	Renewal due 10/27/2017
34955.352	Saudi Arabia	CARBO ISP	19	11/27/2007	124304	12/27/2009	1120/53	Registered	CCI	CCI	Renewal due 8/2/2017
34955.434	Saudi Arabia	KRYPTOSPHERE	19	1/5/2014	1435003720	7/19/2014	1435003720	Registered	CCI	CCI	Renewal due 9/12/2023
34955.403	Saudi Arabia	NRT	1	5/16/2011	168039	7/22/2013	143206052	Registered	CCI	CCI	Renewal due 1/19/2021
34955.435	Thailand	KRYPTOSPHERE	1	10/30/2013	915120			Pending	CCI	CCI	Awaiting Certificate of Registration
34955.406	United Arab Emirates (UAE)	NRT	1	12/27/2010	151080	1/20/2013	151080	Registered	CCI	CCI	Renewal due 12/27/2020
34955.331	United States (US)	ACCUCAST	1	2/4/1999	75/633865	4/23/2002	2564064	Registered	CCI	CCI	Renewal due 4/23/2022
34955.475	United States (US)	AIR	19	3/19/2015	86/569475			Pending	CCI	CCI	Statement of Use due 6/25/2016
34955.415	United States (US)	BAKKENWORK	42	11/29/2011	85/482696	7/2/2013	4362011	Registered	STRATAGEN	STRATAGEN	Section 8 & 15 Affidavit of Use due 7/2/2019
34955.368	United States (US)	CARBO	1, 19	7/30/2009	77/793399	3/16/2010	3760877	Registered	CCI	CCI	Renewal due 3/16/2020
34955.327	United States (US)	CARBO CERAMICS	1, 19	12/2/2004	78/525728	3/14/2006	3067746	Registered	CCI	CCI	Renewal due 3/14/2026
34955.340	United States (US)	CARBO CERAMICS (Stylized)	1, 19	12/2/2004	78/525738	3/14/2006	3067747	Registered	CCI	CCI	Renewal due 3/14/2026
34955.357	United States (US)	CARBO HYDROPROP	19	3/3/2008	77/410989	5/26/2009	3628252	Registered	CCI	CCI	Renewal due 5/26/2019
34955.350	United States (US)	CARBO ISP	19	8/13/2007	77/253845	8/9/2011	4009744	Registered	CCI	CCI	Section 8 & 15 Affidavit of Use due 8/9/2017
34955.334	United States (US)	CARBO LITE	19	7/8/1987	73/670832	5/17/1988	1488463	Registered	CCI	CCI	Renewal due 5/17/2018
34955.326	United States (US)	CARBOACCUCAST (Stylized)	1	7/1/2003	76/536576	8/31/2004	2878829	Registered	CCI	CCI	Renewal due 8/31/2024
34955.358	United States (US)	CARBONBOND	1	2/26/2008	77/406478	2/1/2011	3914676	Registered	CCI	CCI	Section 8 & 15 Affidavit of Use due 2/1/2017
34955.328	United States (US)	CARBOECONOPROP (Stylized)	19	7/1/2003	76/536577	10/5/2004	2890976	Registered	CCI	CCI	Renewal due 10/5/2024
34955.332	United States (US)	CARBOHSP (Stylized)	19	7/1/2003	76/536575	6/15/2004	2853316	Registered	CCI	CCI	Renewal due 6/15/2024

34955.333	United States (US)	CARBOLITE (Stylized)	19	7/1/2003	76/536578	10/12/2004	2892847	Registered	CCI	CCI	Renewal due 10/12/2024
34955.335	United States (US)	CARBOPROP	19	1/14/1985	73/517297	7/16/1985	1349408	Registered	CCI	CCI	Renewal due 7/16/2025
34955.329	United States (US)	CARBOPROP (Stylized)	19	7/1/2003	76/536579	8/31/2004	2878830	Registered	CCI	CCI	Renewal due 8/31/2024
34955.348	United States (US)	CARBOTAG	1	5/31/2006	78/897283	12/9/2008	3545323	Registered	CCI	CCI	Renewal due 12/9/2018
34955.394	United States (US)	DATA AND NEURAL ANALYSIS	35	10/27/2010	85/162355	3/27/2012	4119759	Registered	STRATAGEN	STRATAGEN	Section 8 & 15 Affidavit of Use due 3/27/2018
34955.446	United States (US)	DESIGN THE FRAC, BUILD THE FRAC, OPTIMIZE THE FRAC	40	11/12/2013	86/116671	2/17/2015	4689693	Registered	CCI	CCI	Section 8 & 15 Affidavit of Use due 2/17/2021
34955.445	United States (US)	DESIGN, BUILD, AND OPTIMIZE THE FRAC	40	11/12/2013	86/116664	2/17/2015	4689692	Registered	CCI	CCI	Section 8 & 15 Affidavit of Use due 2/17/2021
34955.369	United States (US)	ECONOMIC CONDUCTIVITY	42	12/16/2009	77/894512	3/23/2010	3765701	Registered	CCI	CCI	Renewal due 3/23/2020
34955.428	United States (US)	ECONOMIC CONDUCTIVITY	42	9/13/2013	86/064555	1/28/2014	4475428	Registered	CCI	CCI	Section 8 & 15 Declaration of Use due 1/28/2020
34955.336	United States (US)	ECONOPROP	19	7/6/1992	74/292243	3/9/1993	1756869	Registered	CCI	CCI	Renewal due 3/9/2023
34955.416	United States (US)	EFWORK	42	11/29/2011	85/482764	7/2/2013	4362012	Registered	STRATAGEN	STRATAGEN	Section 8 & 15 Affidavit of Use due 7/2/2019
34955.422	United States (US)	ENGINEERED TO PROTECT	37	7/23/2012	85/684568	3/12/2013	4301326	Registered	FTSI	FTSI	Section 8 & 15 Affidavit of Use due 3/12/2019
34955.414	United States (US)	ENGINEERED TO PROTECT	40	1/6/2012	85/510295	6/25/2013	4358775	Registered	FTSI	FTSI	Section 8 & 15 Affidavit of Use due 6/25/2019
34955.479	United States (US)	EVERGLIARD	37	5/14/2015	86/630096			Pending	CCI	FTSI	Statement of Use due 6/1/2016
34955.373	United States (US)	FALCON LINER	2, 19	9/24/2010	85/137619	8/2/2011	4007583	Registered	FTSI	FTSI	Section 8 & 15 Affidavit of Use due 8/2/2017
34955.392	United States (US)	FALCON LINER (Stylized)	2, 19	9/24/2010	85/137617	8/2/2011	4007582	Registered	FTSI	FTSI	Section 8 & 15 Affidavit of Use due 8/2/2017
34955.408	United States (US)	FALCON TECHNOLOGIES	37	4/27/2011	85/306134	12/27/2011	4076558	Registered	FTSI	FTSI	Section 8 & 15 Affidavit of Use due 12/27/2017
34955.409	United States (US)	FALCON TECHNOLOGIES (and Falcon Design in Color)	37	4/27/2011	85/306156	12/27/2011	4076560	Registered	FTSI	FTSI	Section 8 & 15 Affidavit of Use due 12/27/2017
34955.371	United States (US)	FRACPRO	9	5/17/1995	74/675087	4/30/1996	1971352	Registered	STRATAGEN	STRATAGEN	Renewal due 4/30/2026
34955.370	United States (US)	FRACPRO (Stylized)	9	5/16/1988	73/728600	2/7/1989	1523321	Registered	STRATAGEN	STRATAGEN	Renewal due 2/7/2019
34955.372	United States (US)	FRACPROPT	9	6/7/2010	85/056154	3/8/2011	3928163	Registered	STRATAGEN	STRATAGEN	HB allowing mark to expire.
34955.480	United States (US)	FUSION	1	3/26/1900	86/655412			Pending	CCI	CCI	Statement of Use due 6/1/2016
34955.490	United States (US)	GROUNDGUARD	19	9/2/2015	86/745617			Pending	CCI	FTSI	Response to Office Action due 6/22/2016
34955.484	United States (US)	H2SGUARD	1	7/27/2015	86/705182			Pending	CCI	CCI	Statement of Use due 6/1/2016
34955.337	United States (US)	HSP	19	7/1/2003	76/536580	8/24/2004	2876687	Registered	CCI	CCI	Renewal due 8/24/2024
34955.349	United States (US)	HYDROPROP	19	7/18/2007	77/232687	5/12/2009	3620016	Registered	CCI	CCI	Renewal due 5/12/2019
34955.365	United States (US)	IPROP	19	1/14/2009	77/648809	10/2/2012	4218092	Registered	CCI	CCI	Section 8 & 15 Affidavit of Use due 10/2/2018

34955.424	United States (US)	KRYPTOSPHERE	19	2/14/2013	85/849710	9/30/2014	4614510	Registered	CCI	CCI	Section 8 & 15 Affidavit of Use due 9/30/2020
34955.338	United States (US)	LITE (on Supplemental Register)	19	7/1/2003	76/536581	1/18/2005	2920164	Registered	CCI	CCI	Renewal due 1/18/2025
34955.468	United States (US)	LITE	19	1/27/2015	86/515498	9/1/2015	4803807	Registered	CCI	CCI	Section 8 & 15 Affidavit of Use due 9/1/2021
34955.487	United States (US)	LOCATIONGUARD	37	7/27/2015	86/705185			Pending	CCI	FTSI	Statement of Use due 10/5/2016
34955.423	United States (US)	Swoosh Design	9	9/4/2012	85/720042	4/23/2013	4324325	Registered	STRATAGEN	STRATAGEN	Section 8 & 15 Affidavit of Use due 4/23/2019
34955.426	United States (US)	MORE SPACE TO FLOW	19	3/19/2013	85/880337	10/7/2014	4618214	Registered	CCI	CCI	Section 8 & 15 Affidavit of Use due 10/7/2020
34955.417	United States (US)	NETWORK	9, 42	11/29/2011	85/482805	2/25/2014	4488917	Registered	STRATAGEN	STRATAGEN	Section 8 & 15 Affidavit of Use due 2/25/2020
34955.375	United States (US)	NRT	1	6/15/2010	85/062952	9/6/2011	4023658	Registered	CCI	CCI	Section 8 & 15 Affidavit of Use due 9/6/2017
34955.489	United States (US)	PARAGUARD	1	7/30/2015	86/709995			Pending	CCI	CCI	Statement of Use due 6/1/2016
34955.486	United States (US)	PORTAGUARD	6, 19	7/27/2015	86/705191			Pending	CCI	FTSI	Statement of Use due 10/5/2016
34955.339	United States (US)	PROP	19	7/1/2003	76/536582	6/28/2005	2963640	Registered	CCI	CCI	Renewal due 6/28/2025
34955.474	United States (US)	SALTGUARD	1	3/13/2015	86/563538			Pending	CCI	CCI	Statement of Use due 8/25/2016
34955.427	United States (US)	SCALEGUARD	1	6/7/2013	85/953596	1/14/2014	4466137	Registered	CCI	CCI	Section 8 & 15 Affidavit of Use due 1/14/2020
34955.483	United States (US)	SITEGUARD	6, 19	7/27/2015	86/705183			Pending	CCI	FTSI	Statement of Use due 10/5/2016
34955.482	United States (US)	STIMPRO	9	7/9/2015	86/688407	12/22/2015	4874511	Registered	CCI	STRATAGEN	Section 8 & 15 Affidavit of Use due 12/22/2021
34955.366	United States (US)	STRATAGEN	40, 42	2/20/2009	77/674284	5/4/2010	3785900	Registered	STRATAGEN	STRATAGEN	Renewal due 5/4/2020
34955.470	United States (US)	TANKGUARD	17	3/16/2015	86/559375			Pending	CCI	FTSI	Statement of Use due 9/1/2016
34955.330	United States (US)	ULTRALITE	19	3/19/2003	78/227395	9/19/2006	3146161	Registered	CCI	CCI	Renewal due 9/19/2016
34955.485	United States (US)	WATERGUARD	6, 19	10/5/2016	86/705190			Pending	CCI	FTSI	Statement of Use due 10/5/16
34955.356	WIPO (International Registration)	CARBO ISP	19	8/17/2007	936743	8/17/2007	936743	Registered	CCI	CCI	Renewal due 8/17/17
34955.444	WIPO (International Registration)	KRYPTOSPHERE	19	2/14/2013	1183255	10/18/2013	1183255	Registered	CCI	CCI	Renewal due 10/18/2023
34955.398	WIPO (International Registration)	NRT	1	12/23/2010	1065984	12/23/2010	1065984	Registered	CCI	CCI	Renewal due 12/23/2020
	United States (US)	FRACTURE VISION		To be determined	To be determined	To be determined			To be determined	CCI	
	United States (US)	QUANTUM		To be determined	To be determined	To be determined			To be determined	CCI	
	United States (US)	QUANTUM (stylized)		To be determined	To be determined	To be determined			To be determined	CCI	
	United States (US)	PROPPED RESERVOIR VOLUME		To be determined	To be determined	To be determined			To be determined	CCI	