

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI397692

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	Notice of Grant of Security Interest in Intellectual Property (First Lien)
CONVEYING PARTY DATA	
Name	Execution Date
SandBox Enterprises, LLC	07/31/2024
RECEIVING PARTY DATA	
Company Name:	Wilmington Trust, National Association, as Collateral Agent
Street Address:	99 Wood Avenue South
Internal Address:	Suite #1000
City:	Iselin
State/Country:	NEW JERSEY
Postal Code:	08830
PROPERTY NUMBERS Total: 129	
Property Type	Number
Application Number:	17086014
Application Number:	18228903
Application Number:	18110812
Application Number:	18136854
Application Number:	18439363
Application Number:	18078733
Application Number:	18390017
Application Number:	14738485
Application Number:	15716648
Application Number:	16825608
Application Number:	16402663
Application Number:	17007895
Application Number:	12914075
Application Number:	13249688
Application Number:	14516292
Application Number:	15634018
Application Number:	16196901
Application Number:	15631737
Application Number:	15632696

PATENT

Property Type	Number
Application Number:	15634383
Application Number:	15637325
Application Number:	15471896
Application Number:	15973796
Application Number:	16217940
Application Number:	16665488
Application Number:	16984255
Application Number:	16160510
Application Number:	16439321
Application Number:	14158158
Application Number:	15951606
Application Number:	15952456
Application Number:	15635850
Application Number:	15489074
Application Number:	17307433
Application Number:	15926147
Application Number:	15929361
Application Number:	15398835
Application Number:	15463278
Application Number:	15786939
Application Number:	15398950
Application Number:	15497253
Application Number:	15463201
Application Number:	15497256
Application Number:	15463063
Application Number:	14986826
Application Number:	15426242
Application Number:	15805649
Application Number:	14310786
Application Number:	15084613
Application Number:	15083596
Application Number:	15589358
Application Number:	14841942
Application Number:	15413822
Application Number:	15846488
Application Number:	14676039
Application Number:	14927614
Application Number:	14943182

Property Type	Number
Application Number:	14314468
Application Number:	14851005
Application Number:	15251020
Application Number:	15589185
Application Number:	29547237
Application Number:	17078483
Application Number:	14834520
Application Number:	14485686
Application Number:	13660866
Application Number:	14831941
Application Number:	14948494
Application Number:	13660855
Application Number:	14831924
Application Number:	14943111
Application Number:	14923920
Application Number:	13628702
Application Number:	13660870
Application Number:	14485687
Application Number:	15634096
Application Number:	15144296
Application Number:	15624750
Application Number:	13555635
Application Number:	15498629
Application Number:	29711529
Application Number:	13660840
Application Number:	13332937
Application Number:	13949693
Application Number:	14831905
Application Number:	15191578
Application Number:	15191592
Application Number:	15285105
Application Number:	29500681
Application Number:	29436169
Application Number:	29436170
Application Number:	29500679
Application Number:	29518163
Application Number:	29500678
Application Number:	29436167

Property Type	Number
Application Number:	29523150
Application Number:	29523148
Application Number:	29500685
Application Number:	29436168
Application Number:	16802598
Application Number:	29725753
Application Number:	13768962
Application Number:	17086050
Application Number:	15895175
Application Number:	16203863
Application Number:	14854622
Application Number:	15260371
Application Number:	15587926
Application Number:	17182427
Application Number:	17888079
Application Number:	13427140
Application Number:	14310648
Application Number:	13625675
Application Number:	15219640
Application Number:	14808737
Application Number:	15672334
Application Number:	13854405
Application Number:	15219359
Application Number:	15602666
Application Number:	29451676
Application Number:	29537565
Application Number:	29537566
Application Number:	29455210
Application Number:	16244185
Application Number:	14175340
Application Number:	15152744
Application Number:	15616783
Application Number:	29455204
Application Number:	29537567

CORRESPONDENCE DATA

Fax Number: 2127514864

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: 2129061209
Email: jess.bajada-bartlett@lw.com
Correspondent Name: Mrs. Jessica Bajada-Bartlett
Address Line 1: 1271 Avenue of the Americas
Address Line 4: New York, NEW YORK 10020

ATTORNEY DOCKET NUMBER:	049018-0190
NAME OF SUBMITTER:	Jessica Bajada-Bartlett
SIGNATURE:	Jessica Bajada-Bartlett
DATE SIGNED:	07/31/2024

Total Attachments: 15

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Notice of Grant of Security Interest in Intellectual Property (First Lien)

NOTICE OF GRANT OF SECURITY INTEREST IN PATENT (FIRST LIEN), dated as of July 31, 2024 (this “Notice”), made by SANDBOX ENTERPRISES, LLC, a Texas limited liability company, U.S. SILICA COMPANY, a Delaware corporation, OREN TECHNOLOGIES, LLC, a Texas limited liability company, EP MINERALS, LLC, a Delaware limited liability company, EP ENGINEERED CLAYS CORPORATION, a Delaware corporation (the “Pledgors”), in favor of WILMINGTON TRUST, NATIONAL ASSOCIATION, as Collateral Agent (as defined below).

Reference is made to the Collateral Agreement (First Lien), dated as of July 31, 2024 (as amended, restated, supplemented or otherwise modified from time to time, the “Collateral Agreement”), among Star Holding LLC, a Delaware limited liability company (the “Borrower”), each Subsidiary of the Borrower identified therein, WILMINGTON TRUST, NATIONAL ASSOCIATION, as collateral agent (together with its successors and assigns in such capacity, the “Collateral Agent”) for the Secured Parties (as defined therein), and BNP PARIBAS, as Authorized Representative (as defined therein). The parties hereto agree as follows:

SECTION 1. ***Terms.*** Capitalized terms used in this Notice and not otherwise defined herein have the meanings specified in the Collateral Agreement. The rules of construction specified in Section 1.01(b) of the Collateral Agreement also apply to this Notice.

SECTION 2. ***Grant of Security Interest.*** As security for the payment and performance, as the case may be, in full of the Secured Obligations, the Pledgors pursuant to the Collateral Agreement did, and hereby do, pledge and grant to the Collateral Agent, its successors and permitted assigns, for the benefit of the Secured Parties, a continuing security interest in all of such Pledgors’ right, title and interest in, to and under any and all of the following assets now owned or at any time hereafter acquired by such Pledgors or in which such Pledgors now have or at any time in the future may acquire any right, title or interest (collectively, but excluding any Excluded Property, the “Patent Collateral”):

all Patents of the United States of America, including those listed on Schedule I.

SECTION 3. ***Collateral Agreement.*** The security interests granted to the Collateral Agent herein are granted in furtherance, and not in limitation of, the security interests granted to the Collateral Agent pursuant to the Collateral Agreement. Each Pledgor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the Patent Collateral are more fully set forth in the Collateral Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Notice and the Collateral Agreement, the terms of the Collateral Agreement shall govern.


SECTION 4. *Counterparts*. This Notice may be executed in two or more counterparts, each of which shall constitute an original but all of which when taken together shall constitute but one contract. Delivery of an executed counterpart to this Notice by facsimile or other electronic transmission shall be as effective as delivery of a manually signed original. The words “execution,” “execute,” “signed,” “signature,” “delivery,” and words of like import in or related to any document to be signed in connection with this Notice and the transactions contemplated hereby shall be deemed to include electronic signatures, the electronic matching of assignment terms and contract formations on electronic platforms approved by the Collateral Agent, or the delivery or keeping of records in any electronic form (including deliveries by telecopy, emailed pdf. or any other electronic means that reproduces an image of an actual executed signature page), each of which shall be of the same legal effect, validity or enforceability as a manually executed signature, physical delivery thereof 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; provided that notwithstanding anything contained herein to the contrary the Collateral Agent is under no obligation to accept electronic signatures in any form or in any format unless expressly agreed to by the Collateral Agent pursuant to procedures approved by it.

SECTION 5. *Governing Law*. THIS NOTICE AND ANY CLAIMS, CONTROVERSY, DISPUTE OR CAUSES OF ACTION (WHETHER IN CONTRACT OR TORT OR OTHERWISE) BASED UPON, ARISING OUT OF OR RELATING TO THIS NOTICE AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES UNDER THIS NOTICE SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAWS OF THE STATE OF NEW YORK, WITHOUT REGARD TO ANY PRINCIPLE OF CONFLICTS OF LAW THAT COULD REQUIRE THE APPLICATION OF ANY OTHER LAW.

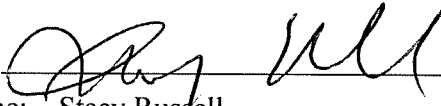
[Signature Pages Follow]

IN WITNESS WHEREOF, the parties hereto have duly executed this
Notice as of the day and year first above written.

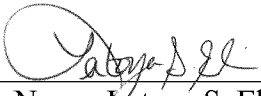
**SANDBOX ENTERPRISES, LLC
OREN TECHNOLOGIES, LLC
EP ENGINEERED CLAYS CORPORATION**

By: 
Name: Stacy Russell
Title: Senior Vice President, General Counsel
and Corporate Secretary

**U.S. SILICA COMPANY
EP MINERALS, LLC**

By: 
Name: Stacy Russell
Title: Executive Vice President, General
Counsel and Corporate Secretary

**WILMINGTON TRUST, NATIONAL
ASSOCIATION,**
as Collateral Agent

By: 
Name: Latoya S. Elvin
Title: Vice President

Schedule I
to Notice of Grant of Security Interest (First Lien) in Patents

Patents Owned by SANDBOX ENTERPRISES, LLC

U.S. Patent Registrations

Title	Application No. Filing Date	Patent/Publ. No. Issue/Publ. Date
Apparatus for the transport and storage of proppant	14/738,485 12-Jun-2015	9809381 7-Nov-2017
Apparatus for the transport and storage of proppant	15/716,648 27-Sep-2017	10787312 29-Sep-2020
Bulk fluid storage container	16/825,608 20-Mar-2020	11634274 25-Apr-2023
Bulk material conveyor	16/402,663 3-May-2019	10759610 1-Sep-2020
Bulk material conveyor	17/007,895 31-Aug-2020	11618636 4-Apr-2023
Bulk material shipping container	12/914,075 28-Oct-2010	8616370 31-Dec-2013
Bulk material shipping container	13/249,688 30-Sep-2011	8887914 18-Nov-2014
Bulk material shipping container	14/516,292 16-Oct-2014	9617065 11-Apr-2017
Bulk material shipping container	15/634,018 27-Jun-2017	10676239 9-Jun-2020
Bulk material shipping container	16/196,901 20-Nov-2018	10926940 23-Feb-2021
Bulk material shipping container	15/631,737 23-Jun-2017	9758993 12-Sep-2017
Bulk material shipping container	15/632,696 26-Jun-2017	9783338 10-Oct-2017
Bulk material shipping container	15/634,383 27-Jun-2017	9796504 24-Oct-2017
Bulk material shipping container	15/637,325 29-Jun-2017	9828135 28-Nov-2017
Bulk material shipping container	15/471,896 28-Mar-2017	9988182 5-Jun-2018
Bulk material shipping container	15/973,796 8-May-2018	10189599 29-Jan-2019
Bulk material shipping container	16/217,940 12-Dec-2018	10486854 26-Nov-2019
Bulk material shipping container	16/665,488 28-Oct-2019	11059622 13-Jul-2021
Bulk material shipping container having a material loading assembly with an operating mechanism	16/984,255 4-Aug-2020	12006135 11-Jun-2024
Bulk material shipping container top wall assembly and bulk material shipping container having a top wall assembly	16/160,510 15-Oct-2018	11661235 30-May-2023
Bulk material shipping container trailer	16/439,321 12-Jun-2019	11173826 16-Nov-2021
Bulk material shipping container unloader	14/158,158 17-Jan-2014	9650216 16-May-2017

Title	Application No. Filing Date	Patent/Publ. No. Issue/Publ. Date
Bulk material shipping container unloader	15/951,606 12-Apr-2018	10287091 14-May-2019
Bulk material shipping container unloader	15/952,456 13-Apr-2018	10604338 31-Mar-2020
Bulk material shipping container unloader	15/635,850 28-Jun-2017	10994954 4-May-2021
Bulk material shipping container unloader	15/489,074 17-Apr-2017	10308421 4-Jun-2019
Bulk material shipping container unloader	17/307,433 4-May-2021	11919729 5-Mar-2024
Conveyor with integrated dust collector system	15/926,147 20-Mar-2018	10676296 9-Jun-2020
Conveyor with integrated dust collector system	15/929,361 28-Apr-2020	10926967 23-Feb-2021
Conveyor with integrated dust collector system	15/398,835 5-Jan-2017	9845210 19-Dec-2017
Conveyor with integrated dust collector system	15/463,278 20-Mar-2017	9868598 16-Jan-2018
Conveyor with integrated dust collector system	15/786,939 18-Oct-2017	9902576 27-Feb-2018
Conveyor with integrated dust collector system	15/398,950 5-Jan-2017	9919882 20-Mar-2018
Conveyor with integrated dust collector system	15/497,253 26-Apr-2017	9932183 3-Apr-2018
Conveyor with integrated dust collector system	15/463,201 20-Mar-2017	9963308 8-May-2018
Conveyor with integrated dust collector system	15/497,256 26-Apr-2017	10035668 31-Jul-2018
Conveyor with integrated dust collector system	15/463,063 20-Mar-2017	10065816 4-Sep-2018
Cradle for proppant container having tapered box guides	14/986,826 4-Jan-2016	9624030 18-Apr-2017
Cradle for proppant container having tapered box guides	15/426,242 7-Feb-2017	9840366 12-Dec-2017
Cradle for proppant container having tapered box guides and associated methods	15/805,649 7-Nov-2017	10745194 18-Aug-2020
Method of delivering, storing, unloading, and using proppant at a well site	14/310,786 20-Jun-2014	9440785 13-Sep-2016
Method of delivering, storing, unloading, and using proppant at a well site	15/084,613 30-Mar-2016	9656799 23-May-2017
Method of delivering, storing, unloading, and using proppant at a well site	15/083,596 29-Mar-2016	9701463 11-Jul-2017
Method of delivering, storing, unloading, and using proppant at a well site	15/589,358 8-May-2017	10661980 26-May-2020
Method of delivering, transporting, and storing proppant for delivery and use at a well site	14/841,942 1-Sep-2015	9617066 11-Apr-2017
Method of delivering, transporting, and storing proppant for delivery and use at a well site	15/413,822 24-Jan-2017	9932181 3-Apr-2018
Method of delivering, transporting, and storing proppant for delivery and use at a well site	15/846,488 19-Dec-2017	10703587 7-Jul-2020
Methods and systems to transfer proppant for fracking with reduced risk of production and release of silica dust at a well site	14/676,039 1-Apr-2015	9340353 17-May-2016

Title	Application No. Filing Date	Patent/Publ. No. Issue/Publ. Date
Methods and systems to transfer proppant for fracking with reduced risk of production and release of silica dust at a well site	14/927,614 30-Oct-2015	9862551 9-Jan-2018
Methods and systems to transfer proppant for fracking with reduced risk of production and release of silica dust at a well site	14/943,182 17-Nov-2015	9969564 15-May-2018
Methods of storing and moving proppant at location adjacent rail line	14/314,468 25-Jun-2014	9162603 20-Oct-2015
Methods of storing and moving proppant at location adjacent rail line	14/851,005 11-Sep-2015	9358916 7-Jun-2016
Methods of storing and moving proppant at location adjacent rail line	15/251,020 30-Aug-2016	9682815 20-Jun-2017
Methods of storing and moving proppant at location adjacent rail line	15/589,185 8-May-2017	9914602 13-Mar-2018
Proppant container	29/547,237 2-Dec-2015	D847489 7-May-2019
Proppant delivery system	17/078,483 23-Oct-2020	11634061 25-Apr-2023
Proppant discharge system and a container for use in such a proppant discharge system	14/834,520 25-Aug-2015	RE46334 7-Mar-2017
Proppant discharge system and a container for use in such a proppant discharge system	14/485,686 13-Sep-2014	9718609 1-Aug-2017
Proppant discharge system and a container for use in such a proppant discharge system	13/660,866 25-Oct-2012	8585341 19-Nov-2013
Proppant discharge system and a container for use in such a proppant discharge system	14/831,941 21-Aug-2015	9394102 19-Jul-2016
Proppant discharge system and a container for use in such a proppant discharge system	14/948,494 23-Nov-2015	9669993 6-Jun-2017
Proppant discharge system and a container for use in such a proppant discharge system	13/660,855 25-Oct-2012	9725233 8-Aug-2017
Proppant discharge system and a container for use in such a proppant discharge system	14/831,924 21-Aug-2015	9725234 8-Aug-2017
Proppant discharge system and a container for use in such a proppant discharge system	14/943,111 17-Nov-2015	9738439 22-Aug-2017
Proppant discharge system and a container for use in such a proppant discharge system	14/923,920 27-Oct-2015	9815620 14-Nov-2017
Proppant discharge system and a container for use in such a proppant discharge system	13/628,702 27-Sep-2012	10464741 5-Nov-2019
Proppant discharge system and a container for use in such a proppant discharge system	13/660,870 25-Oct-2012	8668430 11-Mar-2014
Proppant discharge system and a container for use in such a proppant discharge system	14/485,687 13-Sep-2014	9834373 5-Dec-2017
Proppant discharge system and a container for use in such a proppant discharge system	15/634,096 27-Jun-2017	10569953 25-Feb-2020
Proppant discharge system and a container for use in such a proppant discharge system	15/144,296 2-May-2016	9694970 4-Jul-2017
Proppant discharge system and a container for use in such a proppant discharge system	15/624,750 16-Jun-2017	10661981 26-May-2020
Proppant discharge system having a container and the process for providing proppant to a well site	13/555,635 23-Jul-2012	9718610 1-Aug-2017
Proppant discharge system having a container and the process for providing proppant to a well site	15/498,629 27-Apr-2017	10662006 26-May-2020

Title	Application No. Filing Date	Patent/Publ. No. Issue/Publ. Date
Proppant storage container	29/711,529 31-Oct-2019	D981106 21-Mar-2023
Proppant storage vessel and assembly thereof	13/660,840 25-Oct-2012	8505780 13-Aug-2013
Proppant storage vessel and assembly thereof	13/332,937 21-Dec-2011	8827118 9-Sep-2014
Proppant storage vessel and assembly thereof	13/949,693 24-Jul-2013	9296518 29-Mar-2016
Proppant storage vessel and assembly thereof	14/831,905 21-Aug-2015	9403626 2-Aug-2016
Proppant storage vessel and assembly thereof	15/191,578 24-Jun-2016	9511929 6-Dec-2016
Proppant storage vessel and assembly thereof	15/191,592 24-Jun-2016	9527664 27-Dec-2016
Proppant storage vessel and assembly thereof	15/285,105 4-Oct-2016	9643774 9-May-2017
Proppant vessel	29/500,681 27-Aug-2014	RE47162 18-Dec-2018
Proppant vessel	29/436,169 2-Nov-2012	D688350 20-Aug-2013
Proppant vessel	29/436,170 2-Nov-2012	D688351 20-Aug-2013
Proppant vessel	29/500,679 27-Aug-2014	RE46613 28-Nov-2017
Proppant vessel	29/518,163 20-Feb-2015	RE45914 8-Mar-2016
Proppant vessel	29/500,678 27-Aug-2014	RE45788 3-Nov-2015
Proppant vessel	29/436,167 2-Nov-2012	D688772 27-Aug-2013
Proppant vessel base	29/523,150 7-Apr-2015	RE46381 2-May-2017
Proppant vessel base	29/523,148 7-Apr-2015	RE46531 5-Sep-2017
Proppant vessel base	29/500,685 27-Aug-2014	RE45713 6-Oct-2015
Proppant vessel base	29/436,168 2-Nov-2012	D688349 20-Aug-2013
Stackable bulk fluid storage container	16/802,598 27-Feb-2020	12024358 2-Jul-2024
Stackable bulk fluid storage container	29/725,753 27-Feb-2020	D996800 29-Aug-2023
Support apparatus for moving proppant from a container in a proppant discharge system	13/768,962 15-Feb-2013	9771224 26-Sep-2017
Support apparatus for proppant storage containers	17/086,050 30-Oct-2020	11661291 30-May-2023
System and method for delivering proppant to a blender	15/895,175 13-Feb-2018	10179703 15-Jan-2019
System and method for delivering proppant to a blender	16/203,863 29-Nov-2018	10399789 3-Sep-2019
System and method for delivering proppant to a blender	14/854,622 15-Sep-2015	9670752 6-Jun-2017
System and method for delivering proppant to a blender	15/260,371 9-Sep-2016	9676554 13-Jun-2017

Title	Application No. Filing Date	Patent/Publ. No. Issue/Publ. Date
System and method for delivering proppant to a blender	15/587,926 5-May-2017	9988215 5-Jun-2018
System for conveying proppant to a fracking site hopper	17/182,427 23-Feb-2021	11414282 16-Aug-2022
System for conveying proppant to a fracking site hopper	17/888,079 15-Aug-2022	11932503 19-Mar-2024
System of delivering and storing proppant for use at a well site and container for such proppant	13/427,140 22-Mar-2012	8622251 7-Jan-2014
System of delivering and storing proppant for use at a well site and container for such proppant	14/310,648 20-Jun-2014	9248772 2-Feb-2016
Systems and methods for bulk material storage and/or transport	13/625,675 24-Sep-2012	10538381 21-Jan-2020
Systems and methods for bulk material storage and/or transport	15/219,640 26-Jul-2016	10562702 18-Feb-2020
Systems and methods for remotely controlling proppant discharge system	14/808,737 24-Jul-2015	11873160 16-Jan-2024
Trailer assembly for transport of containers of proppant material	15/672,334 9-Aug-2017	10059246 28-Aug-2018
Trailer assembly for transport of containers of proppant material	13/854,405 1-Apr-2013	9446801 20-Sep-2016
Trailer assembly for transport of containers of proppant material	15/219,359 26-Jul-2016	9796319 24-Oct-2017
Trailer assembly for transport of containers of proppant material	15/602,666 23-May-2017	10518828 31-Dec-2019
Trailer for proppant containers	29/451,676 5-Apr-2013	D688597 27-Aug-2013
Trailer for proppant containers	29/537,565 27-Aug-2015	RE46645 26-Dec-2017
Trailer for proppant containers	29/537,566 27-Aug-2015	RE46576 24-Oct-2017
Trailer for proppant containers	29/455,210 17-May-2013	D694670 3-Dec-2013
Trailer-mounted proppant delivery system	16/244,185 10-Jan-2019	10814767 27-Oct-2020
Trailer-mounted proppant delivery system	14/175,340 7-Feb-2014	9421899 23-Aug-2016
Trailer-mounted proppant delivery system	15/152,744 12-May-2016	9758081 12-Sep-2017
Trailer-mounted proppant delivery system	15/616,783 7-Jun-2017	10239436 26-Mar-2019
Train car for proppant containers	29/455,204 17-May-2013	D703582 29-Apr-2014
Train car for proppant containers	29/537,567 27-Aug-2015	RE46590 31-Oct-2017

U.S. Patent Applications

Title	Application No. Filing Date	Patent/Publ. No. Issue/Publ. Date
Corrugated storage container	17/086,014 30-Oct-2020	20210130085 6-May-2021
Debris separator	18/228,903 1-Aug-2023	20240060408 22-Feb-2024
Diffuser spout for load out silo	18/110,812 16-Feb-2023	20230257192 17-Aug-2023
Support apparatus for proppant storage containers	18/136,854 19-Apr-2023	20230249926 10-Aug-2023
System for conveying proppant to a fracking site hopper	18/439,363 12-Feb-2024	20240228202 11-Jul-2024
System for storing, transporting and dispensing wet sand to a hydraulic fracturing operation at a well site	18/078,733 9-Dec-2022	20230183022 15-Jun-2023
Systems and methods for remotely controlling proppant discharge system	18/390,017 20-Dec-2023	20240116697 11-Apr-2024

Patents Owned by U.S. SILICA COMPANY

U.S. Patent Registrations

Title	Application No. Filing Date	Patent/Publ. No. Issue/Publ. Date
Coated solar reflective granules and methods of manufacturing the same	16/370,303 29-Mar-2019	11479675 25-Oct-2022
Methods and apparatus for producing nanometer scale particles utilizing an electrosterically stabilized slurry in a media mill	17/023,531 17-Sep-2020	11691155 4-Jul-2023
Solar reflective particulates	15/894,650 12-Feb-2018	10501636 10-Dec-2019
Highly reflective roofing system	16/208,529 3-Dec-2018	10724245 28-Jul-2020
Highly reflective roofing system	14/506,570 3-Oct-2014	9303407 5-Apr-2016
Highly Reflective Roofing System	15/057,724 1-Mar-2016	9714512 25-Jul-2017
Highly reflective roofing system	12/857,948 17-Aug-2010	8865303 21-Oct-2014
Highly reflective roofing system	15/658,342 24-Jul-2017	10145115 4-Dec-2018
Particulates having high total solar reflectance	15/250,772 29-Aug-2016	10253493 9-Apr-2019
Resin-coated substrate compositions and methods of making the same	14/712,832 14-May-2015	10066153 4-Sep-2018
Self-cleaning cool roof system	15/697,547 7-Sep-2017	10704262 7-Jul-2020
Self-cleaning cool roof system	16/911,687 25-Jun-2020	11649633 16-May-2023
Solar reflective particulates	14/962,906 8-Dec-2015	9890288 13-Feb-2018
Solar reflective granules and processes for producing same	16/911,073 24-Jun-2020	11846098 19-Dec-2023

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Title	Application No. Filing Date	Patent/Publ. No. Issue/Publ. Date
Cristobalite as a pigment substitute and as a composition enhancing mineral, compositions containing the same, and articles and coatings prepared with such compositions	17/747,413 18-May-2022	20220372299 24-Nov-2022
Methods and apparatus for producing nanometer scale particles for energy storage materials utilizing an electrosterically stabilized slurry in a media mill	17/654,915 15-Mar-2022	20220209215 30-Jun-2022
Reflective particulate compositions including a particulate mixture having improved hardness, methods of making the same, and methods for analyzing particulate mixture strength	17/112,510 4-Dec-2020	20220177707 9-Jun-2022
Solar reflective granules and processes for producing same	18/543,523 18-Dec-2023	20240159046 16-May-2024

Patents Owned by OREN TECHNOLOGIES, LLC

U.S. Patent Registrations

Title	Application No. Filing Date	Patent/Publ. No. Issue/Publ. Date
Method of handling proppant at a well site using a plurality of modular proppant containers	17/034,667 28-Sep-2020	11603261 14-Mar-2023
Cradle for proppant container having tapered box guides	16/987,139 6-Aug-2020	11465834 11-Oct-2022

U.S. Patent Applications

None.

Patents Owned by EP MINERALS, LLC

U.S. Patent Registrations

Title	Application No. Filing Date	Patent/Publ. No. Issue/Publ. Date
Diatomaceous earth filter aid containing a low crystalline silica content	13/713,324 13-Dec-2012	9095842 4-Aug-2015
Low density compositions with synergistic absorbance properties	15/505,007 19-Aug-2015	10440934 15-Oct-2019
Methods of determining the mineralogy of calcined and flux-calcined diatomite	15/769,031 16-Jun-2016	10908102 2-Feb-2021
Opaline biogenic silica/expanded perlite composite products	15/524,566 14-Dec-2015	10391433 27-Aug-2019
Opaline flux-calcined diatomite products	15/769,009 16-Jun-2016	11243177 8-Feb-2022
Ultra-high performance and high purify biogenic silica filtration media	16/476,215 5-Jul-2019	11633713 25-Apr-2023
Ultra-high purity, ultra-high performance diatomite filtration media	16/476,210 6-Jan-2017	11511220 29-Nov-2022
White functional additives derived from filtration spent cake containing diatomite	16/636,418 4-Aug-2017	11565940 31-Jan-2023
Crystalline silica-free diatomaceous earth filter aids and methods of manufacturing the same	12/167,836 3-Jul-2008	8084392 27-Dec-2011

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Title	Application No. Filing Date	Patent/Publ. No. Issue/Publ. Date
Process for making direct-run diatomite functional filler products	16/777,132 30-Jan-2020	20210238426 5-Aug-2021
Ultra-low surface charge biogenic silica filtration media	17/142,416 6-Jan-2021	20220212160 7-Jul-2022
Highly effective functional additive products	17/309,776 17-Jun-2021	20220048009 17-Feb-2022
Method of preparing regenerated spent fermented beverage media for re-use in stabilization and filtration of fermented beverages	17/538,381 30-Nov-2021	20220089987 24-Mar-2022

Patents Owned by EP ENGINEERED CLAYS CORPORATION

U.S. Patent Registrations

Title	Application No. Filing Date	Patent/Publ. No. Issue/Publ. Date
Acid activated montmorillonite based filtration aid	10/316,737 11-Dec-2002	7582320 1-Sep-2009

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None.