

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4876512

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
OXANE MATERIALS, INC.	07/07/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HALLIBURTON ENERGY SERVICES, INC.
<b>Street Address:</b>	3000 N. SAM HOUSTON PARKWAY E.
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77032-3219
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14908708
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(713)622-0220
<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>	713-622-7005
<b>Email:</b>	ctumey@tumeyllp.com
<b>Correspondent Name:</b>	COREY TUMEY
<b>Address Line 1:</b>	P.O BOX 22188
<b>Address Line 4:</b>	HOUSTON, TEXAS 77227-2188
<b>ATTORNEY DOCKET NUMBER:</b>	1560-116304
<b>NAME OF SUBMITTER:</b>	COREY TUMEY
<b>SIGNATURE:</b>	/Corey Tumey/
<b>DATE SIGNED:</b>	03/21/2018
<b>Total Attachments: 22</b>	
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INTELLECTUAL PROPERTY ASSIGNMENT

WHEREAS, OXANE MATERIALS, INC., a Delaware corporation, (“*ASSIGNOR*”) owns, has developed or has otherwise acquired certain intellectual property as represented by the patents, patent applications, trademarks, and registrations set forth in Schedules A and B and C, attached hereto and made a part of this Assignment (collectively, “*Intellectual Property*”); and

WHEREAS, the ASSIGNOR is desirous of assigning all of its rights in the Intellectual Property to HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation (“*ASSIGNEE*”) as parties to that certain Asset Purchase Agreement, dated July 8, 2015 (the “*Purchase Agreement*”); Each capitalized term in this Intellectual Property Assignment shall have the same meaning as is ascribed to such term in the Purchase Agreement, unless otherwise specified herein..

**NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the ASSIGNOR, the parties hereto, intending legally to be bound, agree as follows:**

ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns, said ASSIGNOR’S entire right, title and interest in, to and under the Intellectual Property, including, without limitation, (i) all United States and foreign rights therein, whether protected by copyrights or not, whether patentable or not, and in and to aforesaid registrations, trademarks, patents, patent applications and any divisions or continuations thereof, and any patents or other registrations obtained for the Intellectual Property in the United States and any foreign countries, or issuing out of said applications or any such division or continuation thereof, and any reissues or extensions of any such patents or copyrights; (ii) all goodwill associated with the Intellectual Property; and (iii) all other rights related to the Intellectual Property, including all claims against any Person relating to the Intellectual Property, whether past, present or future, known or unknown, contingent or noncontingent and including without limitation for infringement or theft of trade secrets.

ASSIGNOR hereby authorizes and requests the United States Commissioner of Patents and Trademarks, and any official of any country or countries foreign to the United States, whose duty it is to issue patents, trademark registrations or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

[Signature Page Follows]

Executed and delivered this 7<sup>th</sup> day of July, 2015.

OXANE MATERIALS, INC.

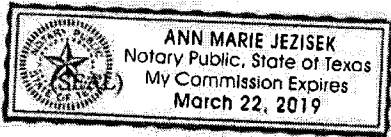
HALLIBURTON ENERGY SERVICES, INC.

By: *Gregory S. Milligan*  
Name: Gregory S. Milligan  
Title: Chief Restructuring Officer

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

State of Texas )  
County of Travis )

Personally appeared before me this 7<sup>th</sup> day of July, 2015, Gregory S. Milligan, known to me to be the Chief Restructuring Officer of OXANE MATERIALS, INC. and person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.



*Ann Marie Jezisek*  
Notary Public  
My Commission expires 3/22/19

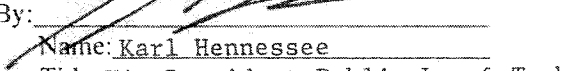
*Signature Page to Intellectual Property Assignment*

Executed and delivered this 8<sup>th</sup> day of July, 2015.

OXANE MATERIALS, INC.

HALLIBURTON ENERGY SERVICES, INC.

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

By:   
Name: Karl Hennessee  
Title: VicePresident-Public Law & Technology

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

Personally appeared before me this \_\_\_\_\_ day of July, 2015, \_\_\_\_\_, known to me to be the \_\_\_\_\_ of OXANE MATERIALS, INC. and person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

\_\_\_\_\_  
Notary Public

(SEAL)

My Commission expires \_\_\_\_\_

Schedule A to Assignment Between  
Oxane Materials, Inc. and Halliburton Energy Services, Inc.  
United States Patents and Patent Applications

Attached.

Oxane Materials, Inc. Initials GSM

A

**Oxane IP Report (as of June 8, 2015)**  
**U.S. Patents and Patent Applications**

OXANE CONFIDENTIAL

The following United States patents and applications, and all other United States and foreign counterparts related thereto:

Title	Country	Filing Date	Application No.	Pub Date	Pub No.	Issue Date	Patent No.
COMPOSITION AND METHOD FOR MAKING A PROPPANT WITH CONTROLLED BOUANCY AND CRUSH STRENGTH	US	2/4/2005	60/649,594	NA	NA	NA	NA
COMPOSITION AND METHOD FOR MAKING A PROPPANT	US	2/3/2006	11/347,664	8/10/2006	20060177661	12/2/2008	7,459,209
COMPOSITION AND METHOD FOR MAKING A PROPPANT	US	10/16/2008	12/252,581	2/5/2009	20090032253	3/29/2011	7,914,892
COMPOSITION AND METHOD FOR MAKING A PROPPANT	US	10/16/2008	12/252,653	2/5/2009	20090032254	8/23/2011	8,003,212
COMPOSITION AND METHOD FOR MAKING A PROPPANT	US	10/16/2008	12/252,682	3/12/2009	20090065208	2/8/2011	7,883,773
COMPOSITION AND METHOD FOR MAKING A PROPPANT	US	10/16/2008	12/252,708	2/12/2009	20090038798	2/15/2011	7,887,918
COMPOSITION AND METHOD FOR MAKING A PROPPANT	US	8/3/2006	11/498,527	7/19/2007	20070166541	2/17/2009	7,491,444
COMPOSITION AND METHOD FOR MAKING A PROPPANT	US	1/27/2009	12/360,218	5/28/2009	20090137433	10/30/2012	8,298,667
COMPOSITION AND METHOD FOR MAKING A PROPPANT	US	9/20/2012	13/623,202	1/24/2013	20130022816	12/10/2013	8,603,578
COMPOSITION AND METHOD FOR MAKING A PROPPANT	US	3/27/2007	11/728,953	8/30/2007	20070202318	9/6/2011	8,012,533
COMPOSITION AND METHOD FOR MAKING A PROPPANT	US	6/27/2007	11/769,247	6/12/2008	20080135245	1/11/2011	7,867,613
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	US	12/7/2010	12/961,629	3/31/2011	20110077176	12/13/2011	8,075,997
METHOD AND APPARATUS FOR PLASMA AND HVOF SPRAYS OF CERAMIC COATINGS	US	8/3/2005	60/704,664	NA	NA	NA	NA
A METHOD TO REMOVE SULFUR OR SULFUR-CONTAINING SPECIES FROM A SOURCE	US	5/10/2006	60/799,129	NA	NA	NA	NA
METHOD TO REMOVE SULFUR OR SULFUR-CONTAINING SPECIES FROM A SOURCE	US	5/9/2007	11/801,244	NA	NA	8/4/2009	7,569,199
PROPPANTS WITH CARBIDE AND/OR NITRIDE PHASES	US	7/18/2007	60/950,534	NA	NA	NA	NA

PROPPANTS WITH CARBIDE AND/OR NITRIDE PHASES	US	7/18/2008	12/176,029	2/12/2009	20090038797	11/1/2011	8,047,288
PROPPANTS WITH CARBIDE AND/OR NITRIDE PHASES	US	9/14/2011	13/232,040	1/5/2012	20120003136	5/15/2012	8,178,477
METHOD OF MANUFACTURE AND THE USE OF A FUNCTIONAL PROPPANT FOR DETERMINATION OF SUBTERRANEAN FRACTURE GEOMETRIES	US	5/20/2008	61/054,515	NA	NA	NA	NA
METHOD OF MANUFACTURE AND THE USE OF A FUNCTIONAL PROPPANT FOR DETERMINATION OF SUBTERRANEAN FRACTURE GEOMETRIES	US	5/20/2008	61/054,622	NA	NA	NA	NA
METHOD OF MANUFACTURE AND THE USE OF A FUNCTIONAL PROPPANT FOR DETERMINATION OF SUBTERRANEAN FRACTURE GEOMETRIES	US	12/5/2008	61/120,317	NA	NA	NA	NA
METHOD OF MANUFACTURE AND THE USE OF A FUNCTIONAL PROPPANT FOR DETERMINATION OF SUBTERRANEAN FRACTURE GEOMETRIES	US	5/19/2009	12/468,088	11/26/2009	20090288820	5/1/2012	8,168,570
METHOD OF MANUFACTURE AND THE USE OF A FUNCTIONAL PROPPANT FOR DETERMINATION OF SUBTERRANEAN FRACTURE GEOMETRIES	US	3/28/2012	13/432,015	7/19/2012	20120181020	NA	NA
A PROPPANT HAVING A GLASS-CERAMIC MATERIAL	US	12/22/2009	61/289,014	NA	NA	NA	NA
A PROPPANT HAVING A GLASS-CERAMIC MATERIAL	US	12/14/2010	12/967,784	6/23/2011	20110146985	5/15/2012	8,178,476
CORDIERITE HAVING AN INCREASED ALPHA-CORDIERITE PHASE AND A PROPPANT CONTAINING THE SAME	US	12/16/2009	61/286,833	NA	NA	NA	NA
CORDIERITE HAVING AN INCREASED ALPHA-CORDIERITE PHASE AND A PROPPANT CONTAINING THE SAME	US	11/22/2010	12/951,347	6/16/2011	20110143969	12/23/2014	8916505
POROUS CERAMIC PARTICLES WITH CONTROLLED POROSITY AND METHOD OF MAKING SAME	US	12/31/2009	61/291,649	NA	NA	NA	NA
MICROSPHERE CONTAINING CERAMIC PARTICLES WITH CONTROLLED MICROSPHERE PLACEMENT AND/OR SIZE AND METHOD OF MAKING SAME	US	2/25/2010	61/308,131	NA	NA	NA	NA



CERAMIC PARTICLES WITH CONTROLLED PORE AND/OR MICROSPHERE PLACEMENT AND/OR SIZE AND METHOD OF MAKING SAME	US	12/23/2010	12/977,302	6/30/2011	20110160104	5/20/2014	8728991
CERAMIC PARTICLES WITH CONTROLLED PORE AND/OR MICROSPHERE PLACEMENT AND/OR SIZE AND METHOD OF MAKING SAME	US	4/15/2014	14/252,800	9/4/2014	2014-0249058-A1	NA	NA
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	US	1/29/2010	61/299,700	NA	NA	NA	NA
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	US	2/25/2010	61/308,144	NA	NA	NA	NA
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	US	1/20/2011	13/009,917	6/21/2012	20120157358	NA	NA
LIGHT WEIGHT PROPPANT WITH IMPROVED STRENGTH AND METHODS OF MAKING SAME	US	9/21/2010	61/384,875	NA	NA	NA	NA
LIGHT WEIGHT PROPPANT WITH IMPROVED STRENGTH AND METHODS OF MAKING SAME	US	3/18/2013	13/846,232	9/19/2013	20130244914	NA	NA
LIGHT WEIGHT PROPPANT WITH IMPROVED STRENGTH AND METHODS OF MAKING SAME	US	10/13/2010	61/392,508	NA	NA	NA	NA
LIGHT WEIGHT PROPPANT WITH IMPROVED STRENGTH AND METHODS OF MAKING SAME	US	3/18/2013	13/846,136	8/15/2013	20130206408	NA	NA
EXTRUSION PROCESS FOR PROPPANT PRODUCTION	US	1/25/2011	61/435,938	NA	NA	NA	NA
EXTRUSION PROCESS FOR PROPPANT PRODUCTION	US	1/23/2012	13/355,606	7/26/2012	20120190597	NA	NA
LOW SURFACE FRICTION PROPPANTS	US	7/13/2011	61/507,437	NA	NA	NA	NA
LOW SURFACE FRICTION PROPPANTS	US	7/13/2012	13/548,243	1/17/2013	20130014945	NA	NA
SYNTHETIC PROPPANTS AND MONODISPersed PROPPANTS AND METHODS OF MAKING THE SAME	US	8/1/2012	61/678,318	NA	NA	NA	NA

SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	US	7/26/2013	13/952,090	2/6/2014	20140038859	NA	NA
SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	US	7/26/2013	13/952,110	2/6/2014	20140038860	NA	NA
IMMOBILE PROPPANTS	US	10/24/2012	61/717,915	NA	NA	NA	NA
IMMOBILE PROPPANTS	US	3/15/2013	61/794,433	NA	NA	NA	NA
IMMOBILE PROPPANTS	US	4/21/2015	14/437,196				
METHODS FOR FRACTURING SUBTERRANEAN FORMATIONS	US	4/24/2013	61/815,452	NA	NA	NA	NA
METHODS FOR FRACTURING SUBTERRANEAN FORMATIONS	US	4/22/2014	14/258,042	10/30/2014	20140318778	NA	NA
A METHOD TO CLASSIFY AND SELECT PROPPANTS	US	4/2/2013	61/807,518	NA	NA	NA	NA
A METHOD TO CLASSIFY AND SELECT PROPPANTS	US	3/28/2014	14/228,275	10/2/2014	20140290349	NA	NA
ADDITIVE FABRICATION OF PROPPANTS	US	8/15/2013	61/866,132	NA	NA	NA	NA
SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	US	8/7/2013	61/863,251	NA	NA	NA	NA
SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	US	10/1/2013	61/885,122	NA	NA	NA	NA
METHODS TO MAKE CERAMIC PROPPANTS	US	10/24/2014	62/068004	NA	NA	NA	NA

Schedule B to Assignment Between  
Oxane Materials, Inc. and Halliburton Energy Services, Inc.  
Foreign Patents and Patent Applications

Attached.

Oxane Materials, Inc. Initials GSN

B

**Oxane IP Report (as of June 8, 2015)**  
**Foreign Patents and Patent Applications**

OXANE CONFIDENTIAL

The following foreign patents and applications, and all United States and other foreign counterparts related thereto:

Title	Country	Filing Date	Application No.	Pub Date	Pub No.	Issue Date	Patent No.
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Argentina	2/3/2006	P 06 01 00408	5/16/2007	AR 053672 A1	11/20/2014	AR053672B1
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Armenia	9/3/2007	200701665	NA	NA	12/30/2009	12634
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Australia	8/3/2007	2006210470	8/10/2006	2006210470	5/5/2011	2006210470
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Azerbaijan	9/3/2007	200701665	NA	NA	12/30/2009	12634
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Belarus	9/3/2007	200701665	NA	NA	12/30/2009	12634
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Brazil	7/31/2007	PI0606548-1	6/30/2009	BRPI0606548 A2	NA	NA
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Canada	7/9/2007	2,593,969	8/10/2006	2593969	7/19/2011	2,593,969
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	China	8/6/2007	2.0068E+11	1/30/2008	101115906	9/4/2013	ZL200680004151.8
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Czech Republic	7/12/2007	6734420	NA	NA	11/2/2011	1856374
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Denmark	7/12/2007	6734420	NA	NA	11/2/2011	1856374
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	EAPO	9/3/2007	200701665	2/28/2008	200701665	12/30/2009	12634
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	EPO	7/12/2007	6734420	11/21/2007	1856374	11/2/2011	1856374
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Finland	7/12/2007	6734420	NA	NA	11/2/2011	1856374
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	France	7/12/2007	6734420	NA	NA	11/2/2011	1856374
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	GCC	2/12/2006	GCC/P/2006/5804	NA	NA	8/4/2012	GC0002042
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Germany	7/12/2007	6734420	NA	NA	11/2/2011	6.0201E+11
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Greece	7/12/2007	6734420	NA	NA	11/2/2011	1856374

A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Hungary	7/12/2007	6734420	NA	NA	11/2/2011	1856374
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Iceland	7/12/2007	6734420	NA	NA	11/2/2011	15\856374
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Ireland	7/12/2007	6734420	NA	NA	11/2/2011	1856374
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Italy	7/12/2007	6734420	NA	NA	11/2/2011	1856374
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Kazakhstan	9/3/2007	200701665	NA	NA	12/30/2009	12634
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Kyrgyz Republic	9/3/2007	200701665	NA	NA	12/30/2009	12634
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Mexico	8/2/2007	MX/a/2007/ 9374	11/15/2007	2007009374	2/7/2013	307258
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Moldova	9/3/2007	200701665	NA	NA	12/30/2009	12634
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Norway	7/19/2007	2007 3753	NA	NA	NA	NA
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	PCT	2/3/2006	PCT/US2006/4106	8/10/2006	WO 2006/084236	NA	NA
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Poland	7/12/2007	6734420	NA	NA	11/2/2011	1856374
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Romania	7/12/2007	6734420	NA	NA	11/2/2011	1856374
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Russian Federation	9/3/2007	200701665	NA	NA	12/30/2009	12634
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Sweden	7/12/2007	6735520	NA	NA	11/2/2011	1856374
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Tajikistan	9/3/2007	200701665	NA	NA	12/30/2009	12634
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Turkey	7/12/2007	6734420	NA	NA	11/2/2011	1856374
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Turkmenistan	9/3/2007	200701665	NA	NA	12/30/2009	12634
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	United Kingdom	7/12/2007	6734420	NA	NA	11/2/2011	1856374
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Uzbekistan	9/4/2007	IAP 20070356	NA	NA	3/31/2010	IAP 04123
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Venezuela	2/6/2006	2006-000205	7/28/2009	NA	NA	NA
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	EPO	9/29/2010	10011662.3	3/9/2011	2292894	NA	NA

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A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Argentina	8/1/2007	P070103388	10/22/2008	62170	NA	NA
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Armenia	3/2/2009	200970177	NA	NA	7/30/2012	16841
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Australia	2/2/2009	2007282111	2/14/2008	2007282111	2/14/2013	2007282111
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Azerbaijan	3/2/2009	200970177	NA	NA	7/30/2012	16841
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Belarus	3/2/2009	200970177	NA	NA	7/30/2012	16841
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Brazil	1/30/2009	PI0714091-6	1/1/2013	BRPI0714091 A2	NA	NA
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Canada	1/26/2009	2,659,669	2/14/2008	2659669	NA	NA
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	China	4/1/2009	2.0078E+11	9/2/2009	101522856	NA	NA
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	EAPO	3/2/2009	200970177	8/28/2009	200970177	7/30/2012	16841
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	EPO	2/3/2009	7810264.7	4/15/2009	2047061	3/26/2014	2047061
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	GCC	7/28/2007	GCC/P/2007/ 8786	NA	NA	NA	NA
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Germany	2/3/2009	7810264.7	4/15/2009	2047061	3/26/2014	2047061
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	United Kingdom	2/3/2009	7810264.7	4/15/2009	2047061	3/26/2014	2047061
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Hong Kong	10/13/2009	9109436.4	11/27/2009	9109436.4	NA	NA
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	India	2/18/2009	1176/DELNP/ 2009	NA	NA	NA	NA
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Kazakhstan	3/2/2009	200970177	NA	NA	7/30/2012	16841
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Kyrgyzstan	3/2/2009	200970177	NA	NA	7/30/2012	16841
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Malaysia	1/30/2009	PI20090402	NA	NA	12/30/2011	MY-145160- A
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Mexico	1/30/2009	MX/a/2009/ 1238	2/12/2009	2009001238	11/29/2013	315919
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Republic of Moldova	3/2/2009	200970177	NA	NA	7/30/2012	16841

A COMPOSITION AND METHOD FOR MAKING A PROPPANT	PCT	7/9/2007	PCT/US2007/15624	2/14/2008	WO 2008/018966	NA	NA
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Republic of Korea	3/2/2009	10-2009-7004407	3/18/2015	10-1501293	3/4/2015	10-1501293
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Russian Federation	3/2/2009	200970177	NA	NA	7/30/2012	16841
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Tajikistan	3/2/2009	200970177	NA	NA	7/30/2012	16841
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Turkmenistan	3/2/2009	200970177	NA	NA	7/30/2012	16841
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Venezuela	8/1/2007	2007-001656	6/4/2010	NA	NA	NA
A COMPOSITION AND METHOD FOR MAKING A PROPPANT	Australia	1/29/2013	2013200446	2/14/2013	2013200446	9/25/2014	2013200446
PROPPANTS WITH CARBIDE AND/OR NITRIDE PHASES	PCT	7/18/2008	PCT/US2008/70487	1/22/2009	WO 2009/012455	NA	NA
METHOD OF MANUFACTURE AND THE USE OF A FUNCTIONAL PROPPANT FOR DETERMINATION OF SUBTERRANEAN FRACTURE GEOMETRIES	Argentina	5/20/2009	P090101818	7/21/2010	AR 071860 A1	NA	NA
METHOD OF MANUFACTURE AND THE USE OF A FUNCTIONAL PROPPANT FOR DETERMINATION OF SUBTERRANEAN FRACTURE GEOMETRIES	Canada	11/19/2010	2,725,088	1/28/2010	2,725,088	NA	NA
METHOD OF MANUFACTURE AND THE USE OF A FUNCTIONAL PROPPANT FOR DETERMINATION OF SUBTERRANEAN FRACTURE GEOMETRIES	China	1/20/2011	200980128414.X	6/15/2011	102099545	NA	NA
METHOD OF MANUFACTURE AND THE USE OF A FUNCTIONAL PROPPANT FOR DETERMINATION OF SUBTERRANEAN FRACTURE GEOMETRIES	EAPO	12/17/2010	201071331	6/30/2011	201071331	NA	NA
METHOD OF MANUFACTURE AND THE USE OF A FUNCTIONAL PROPPANT FOR DETERMINATION OF SUBTERRANEAN FRACTURE GEOMETRIES	EPO	12/20/2010	9744812	3/16/2011	2307666	NA	NA
METHOD OF MANUFACTURE AND THE USE OF A FUNCTIONAL PROPPANT FOR DETERMINATION OF SUBTERRANEAN FRACTURE GEOMETRIES	GCC	5/19/2009	GCC/P/2009/13517	NA	NA	NA	NA

METHOD OF MANUFACTURE AND THE USE OF A FUNCTIONAL PROPPANT FOR DETERMINATION OF SUBTERRANEAN FRACTURE GEOMETRIES	India	11/16/2010	8117/DELNP/2010	NA	NA	NA	NA
METHOD OF MANUFACTURE AND THE USE OF A FUNCTIONAL PROPPANT FOR DETERMINATION OF SUBTERRANEAN FRACTURE GEOMETRIES	Mexico	11/12/2010	MX/a/2010/12463	12/7/2010	MX2010012463	3/26/2015	328892
METHOD OF MANUFACTURE AND THE USE OF A FUNCTIONAL PROPPANT FOR DETERMINATION OF SUBTERRANEAN FRACTURE GEOMETRIES	PCT	5/19/2009	PCT/US2009/44425	1/28/2010	WO 2010/011402	NA	NA
METHOD OF MANUFACTURE AND THE USE OF A FUNCTIONAL PROPPANT FOR DETERMINATION OF SUBTERRANEAN FRACTURE GEOMETRIES	Venezuela	5/19/2009	2009-000897	6/20/2012	NA	NA	NA
A PROPPANT HAVING A GLASS-CERAMIC MATERIAL	Argentina	12/21/2010	P 100104823	10/3/2012	81515	NA	NA
A PROPPANT HAVING A GLASS-CERAMIC MATERIAL	Australia	6/19/2012	2010333894	7/12/2012	2010333894	6/26/2014	2010333894
A PROPPANT HAVING A GLASS-CERAMIC MATERIAL	Brazil	6/21/2012	1.12012E+12	NA	NA	NA	NA
A PROPPANT HAVING A GLASS-CERAMIC MATERIAL	Canada	6/21/2012	2,785,366	6/30/2011	2,785,366	NA	NA
A PROPPANT HAVING A GLASS-CERAMIC MATERIAL	China	8/22/2012	2.0108E+11	11/14/2012	102781663A	NA	NA
A PROPPANT HAVING A GLASS-CERAMIC MATERIAL	EAPO	7/19/2012	201290543	1/30/2013	201290543	NA	NA
A PROPPANT HAVING A GLASS-CERAMIC MATERIAL	EPO	6/19/2012	10839988.2	10/31/2012	2516152	NA	NA
A PROPPANT HAVING A GLASS-CERAMIC MATERIAL	GCC	12/21/2010	GC 2010-17418	NA	NA	NA	NA
A PROPPANT HAVING A GLASS-CERAMIC MATERIAL	Hong Kong	3/25/2013	13103656.4	7/19/2013	1176037	NA	NA
A PROPPANT HAVING A GLASS-CERAMIC MATERIAL	India	6/7/2012	5062/DELNP/2012	NA	NA	NA	NA
A PROPPANT HAVING A GLASS-CERAMIC MATERIAL	Malaysia	6/22/2012	PI2012002900	NA	NA	NA	NA
A PROPPANT HAVING A GLASS-CERAMIC MATERIAL	Mexico	6/20/2012	MX/a/2012/ 7248	7/30/2012	MX2012007248	11/29/2013	315918
A PROPPANT HAVING A GLASS-CERAMIC MATERIAL	PCT	12/13/2010	PCT/US2010/60029	6/30/2011	WO 2011/078985	NA	NA



A PROPPANT HAVING A GLASS-CERAMIC MATERIAL	Republic of Korea	7/20/2012	1.02013E+12	9/25/2012	20120105536	NA	NA
A PROPPANT HAVING A GLASS-CERAMIC MATERIAL	Venezuela	12/20/2010	2010-002017	7/21/2014	549	NA	NA
CORDIERITE HAVING AN INCREASED ALPHA-CORDIERITE PHASE AND A PROPPANT CONTAINING THE SAME	Canada	6/14/2012	2,784,417	6/23/2011	2,784,417	NA	NA
CORDIERITE HAVING AN INCREASED ALPHA-CORDIERITE PHASE AND A PROPPANT CONTAINING THE SAME	PCT	11/22/2010	PCT/US2010/57580	8/16/2011	WO 2011/075285	NA	NA
CERAMIC PARTICLES WITH CONTROLLED PORE AND/OR MICROSPHERE PLACEMENT AND/OR SIZE AND METHOD OF MAKING SAME	Argentina	12/29/2010	P110100006	10/3/2012	81516	NA	NA
CERAMIC PARTICLES WITH CONTROLLED PORE AND/OR MICROSPHERE PLACEMENT AND/OR SIZE AND METHOD OF MAKING SAME	Australia	6/26/2012	2010336912	7/19/2012	2010336912	3/27/2014	2010336912
CERAMIC PARTICLES WITH CONTROLLED PORE AND/OR MICROSPHERE PLACEMENT AND/OR SIZE AND METHOD OF MAKING SAME	Brazil	6/28/2012	1.12012E+12	NA	NA	NA	NA
CERAMIC PARTICLES WITH CONTROLLED PORE AND/OR MICROSPHERE PLACEMENT AND/OR SIZE AND METHOD OF MAKING SAME	Canada	6/21/2012	2,785,464	7/7/2011	2,785,464	NA	NA
CERAMIC PARTICLES WITH CONTROLLED PORE AND/OR MICROSPHERE PLACEMENT AND/OR SIZE AND METHOD OF MAKING SAME	China	8/31/2012	2.0108E+11	11/14/2012	102781854A	NA	NA
CERAMIC PARTICLES WITH CONTROLLED PORE AND/OR MICROSPHERE PLACEMENT AND/OR SIZE AND METHOD OF MAKING SAME	EAPO	7/30/2012	201290595	12/28/2012	201290595	NA	NA
CERAMIC PARTICLES WITH CONTROLLED PORE AND/OR MICROSPHERE PLACEMENT AND/OR SIZE AND METHOD OF MAKING SAME	EPO	6/22/2012	10841612.4	11/7/2012	2519473	NA	NA
CERAMIC PARTICLES WITH CONTROLLED PORE AND/OR MICROSPHERE PLACEMENT AND/OR SIZE AND METHOD OF MAKING SAME	GCC	12/29/2010	GC 2010-17504	NA	NA	NA	NA
CERAMIC PARTICLES WITH CONTROLLED PORE AND/OR MICROSPHERE PLACEMENT AND/OR SIZE AND METHOD OF MAKING SAME	India	6/11/2012	5161/DELNP/2012	NA	NA	NA	NA
CERAMIC PARTICLES WITH CONTROLLED PORE AND/OR MICROSPHERE PLACEMENT AND/OR SIZE AND METHOD OF MAKING SAME	Malaysia	6/29/2012	PI2012002998	NA	NA	NA	NA

CERAMIC PARTICLES WITH CONTROLLED PORE AND/OR MICROSHERE PLACEMENT AND/OR SIZE AND METHOD OF MAKING SAME	Mexico	6/27/2012	MX/a/2012/ 7608	7/30/2012	2012007608	NA	NA
CERAMIC PARTICLES WITH CONTROLLED PORE AND/OR MICROSHERE PLACEMENT AND/OR SIZE AND METHOD OF MAKING SAME	PCT	12/23/2010	PCT/US2010/ 61999	7/7/2011	WO 2011/082102	NA	NA
CERAMIC PARTICLES WITH CONTROLLED PORE AND/OR MICROSHERE PLACEMENT AND/OR SIZE AND METHOD OF MAKING SAME	Republic of Korea	7/30/2012	10-2012-7020076	11/9/2012	20120123671	NA	NA
CERAMIC PARTICLES WITH CONTROLLED PORE AND/OR MICROSHERE PLACEMENT AND/OR SIZE AND METHOD OF MAKING SAME	Venezuela	12/29/2010	2010-002113	12/26/2012	NA	NA	NA
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	Argentina	1/27/2011	P 110100275	4/25/2012	AR 080641 A1	NA	NA
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	Australia	7/25/2012	2011209837	8/16/2012	2011209837	NA	NA
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	Brazil	7/26/2012	1.12012E+12	NA	NA	NA	NA
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	Canada	7/25/2012	2,788,186	8/4/2011	2,788,186	4/7/2015	2,788,186
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	China	9/28/2012	2.0118E+11	1/16/2013	102884280A	NA	NA
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	EAPO	8/28/2012	201290723	2/28/2013	EA201290723	NA	NA
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	EPO	7/25/2012	11737458.7	12/5/2012	2529079	NA	NA
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	GCC	1/26/2011	GC 2011-17662	NA	NA	NA	NA
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	India	8/9/2012	7020/DELNP/ 2012	NA	NA	NA	NA
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	Malaysia	7/26/2012	PI2012003397	NA	NA	NA	NA
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	Mexico	7/23/2012	MX/a/2012/ 8605	8/15/2012	2012008605	NA	NA
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	PCT	1/20/2011	PCT/US2011/ 21785	8/4/2011	WO 2011/094106	NA	NA
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	Republic of Korea	8/28/2012	10-2012-7022476	12/20/2012	20120137358	NA	NA
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	Venezuela	1/27/2011	2011-000086	2/15/2013	NA	NA	NA
SELF-TOUGHENED HIGH-STRENGTH PROPPANT AND METHODS OF MAKING SAME	Australia	1/14/2015	2015200154	2/5/2015	2015200154	NA	NA

LIGHT WEIGHT PROPPANT WITH IMPROVED STRENGTH AND METHODS OF MAKING SAME	Canada	3/18/2013	2,811,598	3/29/2012	2,811,598	NA	NA
LIGHT WEIGHT PROPPANT WITH IMPROVED STRENGTH AND METHODS OF MAKING SAME	EPO	3/28/2013	11827247.5	7/31/2013	2619154	NA	NA
LIGHT WEIGHT PROPPANT WITH IMPROVED STRENGTH AND METHODS OF MAKING SAME	Mexico	3/20/2013	MX/a/2013/ 3248	5/1/2013	MX201300324 8	NA	NA
LIGHT WEIGHT PROPPANT WITH IMPROVED STRENGTH AND METHODS OF MAKING SAME	PCT	9/15/2011	PCT/US2011/ 51712	3/29/2012	WO 2012/040025	NA	NA
LIGHT WEIGHT PROPPANT WITH IMPROVED STRENGTH AND METHODS OF MAKING SAME	Argentina	10/13/2011	P110103798	3/13/2013	AR 083650 A1	NA	NA
LIGHT WEIGHT PROPPANT WITH IMPROVED STRENGTH AND METHODS OF MAKING SAME	Canada	3/25/2013	2,812,578	4/19/2012	2,812,578	NA	NA
LIGHT WEIGHT PROPPANT WITH IMPROVED STRENGTH AND METHODS OF MAKING SAME	EPO	3/28/2013	11833145.3	8/21/2013	2627727	NA	NA
LIGHT WEIGHT PROPPANT WITH IMPROVED STRENGTH AND METHODS OF MAKING SAME	Mexico	4/2/2013	MX/a/2013/ 3734	4/24/2013	MX201300373 4	NA	NA
LIGHT WEIGHT PROPPANT WITH IMPROVED STRENGTH AND METHODS OF MAKING SAME	PCT	10/6/2011	PCT/US2011/ 55010	4/19/2012	WO 2012/051026	NA	NA
EXTRUSION PROCESS FOR PROPPANT PRODUCTION	Argentina	1/25/2012	P120100247	8/7/2013	085034 A1	NA	NA
EXTRUSION PROCESS FOR PROPPANT PRODUCTION	Australia	7/25/2013	2012209370	8/15/2013	2012209370	NA	NA
EXTRUSION PROCESS FOR PROPPANT PRODUCTION	Brazil	7/23/2013	1.12013E+12	NA	NA	NA	NA
EXTRUSION PROCESS FOR PROPPANT PRODUCTION	Canada	7/12/2013	2,824,761	8/2/2012	2,824,761	NA	NA
EXTRUSION PROCESS FOR PROPPANT PRODUCTION	China	9/24/2013	2.0128E+11	1/22/2014	103534070A	NA	NA
EXTRUSION PROCESS FOR PROPPANT PRODUCTION	EAPO	8/22/2013	201391073	12/30/2013	EA201391073	NA	NA
EXTRUSION PROCESS FOR PROPPANT PRODUCTION	EPO	7/15/2013	12739256.1	12/4/2013	2668011	NA	NA
EXTRUSION PROCESS FOR PROPPANT PRODUCTION	India	7/16/2013	6343/DELNP/ 2013	NA	NA	NA	NA
EXTRUSION PROCESS FOR PROPPANT PRODUCTION	Malaysia	7/23/2013	PI2013701291	NA	NA	NA	NA
EXTRUSION PROCESS FOR PROPPANT PRODUCTION	Mexico	7/19/2013	MX/a/2013/ 8457	8/12/2013	MX201300845 7	NA	NA
EXTRUSION PROCESS FOR PROPPANT PRODUCTION	PCT	1/23/2012	PCT/US2012/ 22147	8/2/2012	WO 2012/102982	NA	NA
EXTRUSION PROCESS FOR PROPPANT PRODUCTION	Republic of Korea	8/23/2013	10-2013-7022297	1/16/2014	20140006910	NA	NA

LOW SURFACE FRICTION PROPPANTS	Brazil	1/13/2014	1.12014E+12	NA	NA	NA	NA
LOW SURFACE FRICTION PROPPANTS	Canada	12/20/2013	2,840,235	1/17/2013	2,840,235	NA	NA
LOW SURFACE FRICTION PROPPANTS	PCT	7/13/2012	PCT/US2012/ 46578	1/17/2013	WO 2013/010050	NA	NA
SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	Argentina	8/1/2013	P130102735	NA	NA	NA	NA
SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	GCC	7/31/2013	GC 2013-25065	NA	NA	NA	NA
SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	Venezuela	7/31/2013	2013-000985	6/18/2014	NA	NA	NA
SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	Australia	2/24/2015	2013296818	3/12/2015	2013296818	NA	NA
SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	Brazil	1/30/2015	1.12015E+12	NA	NA	NA	NA
SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	Canada	1/28/2015	2,880,426	2/6/2014	2,880,426	NA	NA
SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	China	4/1/2015	2.0138E+11	NA	NA	NA	NA
SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	EPO	2/24/2015	13745318.9	NA	NA	NA	NA
SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	India	2/25/2015	1591/DELNP/ 2015	NA	NA	NA	NA
SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	Korea, Republic of	2/25/2015	10-2015-7004797	NA	NA	NA	NA
SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	Malaysia	1/29/2015	PI 2015700291	NA	NA	NA	NA
SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	Mexico	1/29/2015	MX/a/2015/00152 6	NA	NA	NA	NA

SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	Russian Federation	2/27/2015	NA	NA	NA	NA	NA
SYNTHETIC PROPPANTS AND MONODISPERSED PROPPANTS AND METHODS OF MAKING THE SAME	PCT	7/26/2013	PCT/US2013/052203	2/6/2014	WO 2014/022210	NA	NA
IMMOBILE PROPPANTS	PCT	10/18/2013	PCT/US2013/65550	5/1/2014	WO 2014/066144	NA	NA
METHODS FOR FRACTURING SUBTERRANEAN FORMATIONS	Canada	4/22/2014	2,849,415	10/24/2014	2,849,415	NA	NA
ADDITIVE FABRICATION OF PROPPANTS	PCT	8/12/2014	PCT/US2014/50608	2/19/2015	WO 2015/023612	NA	NA
PROPPANTS AND METHODS OF MAKING THE SAME	PCT	8/6/2014	PCT/US2014/049840	2/12/2015	WO 2015/021083	NA	NA

Schedule C to Assignment Between  
Oxane Materials, Inc. and Halliburton Energy Services, Inc.  
Trademarks

Attached.

Oxane Materials, Inc. Initials OSM

C

**Oxane IP Report (as of June 8, 2015)**  
**Trademarks**

OXANE CONFIDENTIAL

All United States and foreign trademarks, and all goodwill associated with such trademarks, owned by Seller, including, without limitation, the trademarks and goodwill represented by the following filings at the United States Trademark Office:

Title	Country	Filing Date	Application No.	Pub Date	Pub No.	Issue Date	Patent No.
OXPROP	US	12/6/2007	77/345,519	NA	NA	9/25/2008	NA
OXBALLS	US	12/6/2007	77/345,506	NA	NA	9/16/2009	NA
OXSENSE	US	12/6/2007	77/345,867	NA	NA	12/7/2011	NA
MORE OIL, MORE GAS, MORE QUICKLY	US	2/28/2008	77/409,053	NA	NA	11/29/2011	4,063,636
NANOSTRUCTURED INNOVATIONS	US	5/20/2008	77/479,485	NA	NA	2/7/2012	4,096,476
OXANE Logo with blue X and blue underline	US	2/28/2008	77/409,093	NA	NA	12/6/2011	4,067,446
OXANE MATERIALS	US	2/28/2008	77/409,072	NA	NA	12/6/2011	4,067,445
OXFRAC	US	2/28/2008	77/409,037	NA	NA	4/14/2012	NA
HOLOPROP	US	5/16/2008	77/476,524	NA	NA	9/16/2009	NA
HOLO	US	5/16/2008	77/476,537	NA	NA	9/16/2009	NA
HOLOFRAC	US	5/16/2008	77/476,550	NA	NA	9/16/2009	NA
OXBALL	US	11/12/2008	77/612,986	NA	NA	1/10/2012	4,084,234
HERCULES	US	3/22/2010	77/965,020	NA	NA	NA	NA
OX	US	3/22/2010	77/965,135	NA	NA		
OXSTEEL	US	3/22/2010	77/965,193	NA	NA	1/15/2013	4,276,114
CERAMIC REBAR	US	3/22/2010	77/965,180	NA	NA	4/27/2012	NA
ATLAS	US	3/22/2010	77/965,221	NA	NA	NA	NA
LENGTH MATTERS	US	3/25/2010	77/968,898	NA	NA	9/7/2012	NA
OXTAG	US	3/25/2010	77/968,913	NA	NA	NA	NA
OXPACK	US	4/22/2010	85/020,367	NA	NA	10/17/2011	NA
UNLOCK THE ROCK	US	5/5/2011	85/313,335	NA	NA	7/22/2014	4,572,701
OXSENSE	US	12/7/2011	85/489,081	NA	NA	NA	NA
WOLFBALL	US	3/13/2012	85/567,986	NA	NA	3/25/2013	NA
OXFRAC	US	4/3/2012	85/587,666	NA	NA	NA	NA

ADVANCED CERAMIC PROPPANTS	US	4/24/2012	85/606,055	NA	NA	2/18/2014	4,485,768
OXTOR	US	5/14/2013	85/931,186	NA	NA	NA	NA
HERCULES	US	4/11/2014	86/249,754	NA	NA	1/19/2015	NA
ATLAS	US	4/11/2014	86/249,801	NA	NA	1/19/2015	NA
OXTAG	US	4/30/2014	86/267,485	NA	NA	NA	NA
OX	US	5/22/2014	86/288,983	NA	NA	NA	NA
OXPROP	Canada	6/5/2008	1,398,265	NA	NA	3/16/2009	NA
OXSENSE	Canada	6/5/2008	1,398,267	NA	NA	5/6/2010	NA
OXFRAC	Canada	6/5/2008	1,398,266	NA	NA	NA	NA
OXBALL	Canada	11/14/2008	1,418,343	NA	NA	8/27/2013	TMA858,697
OXSTEEL	Mexico	9/22/2010	1121668	NA	NA	4/26/2011	NA
OXSTEEL	Mexico	9/22/2010	1121669	NA	NA	4/26/2011	NA
OXSTEEL	Canada	9/22/2010	1,499,042	NA	NA	9/5/2013	TMA859,265
OXPEC	Mexico	4/23/2010	1084344	NA	NA	5/6/2010	1157193
OXPEC	Mexico	4/23/2010	1084345	NA	NA	2/17/2011	1201946
OXPEC	Mexico	4/23/2010	1084346	NA	NA	1/11/2011	NA