### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5287378

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
BENJAMIN T. ELDRED	10/02/2017
BRETT A. WILSON	10/02/2017
CLAYTON F. GARDINIER	10/03/2017
ROBERT DUENCKEL	10/05/2017
TODD ROPER	10/02/2017

### **RECEIVING PARTY DATA**

Name:	CARBO CERAMICS, INC.
Street Address:	575 N. DAIRY ASHFORD RD.
Internal Address:	SUITE 300
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77079

### **PROPERTY NUMBERS Total: 1**

Property Type	Number		
Application Number:	16133200		

### **CORRESPONDENCE DATA**

Fax Number: (713)623-4846

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: 713-623-4844

Email: crouly@pattersonsheridan.com, psdocketing@pattersonsheridan.com

PATTERSON & SHERIDAN, LLP Correspondent Name:

24 GREENWAY PLAZA Address Line 1:

Address Line 2: **SUITE 1600** 

Address Line 4: HOUSTON, TEXAS 77046

NAME OF SUBMITTER:	B. TODD PATTERSON
SIGNATURE:	/B. Todd Patterson/
DATE SIGNED:	12/17/2018

**Total Attachments: 6** 

**PATENT** REEL: 047798 FRAME: 0414

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PATENT REEL: 047798 FRAME: 0415

### ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Benjamin T. Eldred 1725 Crescent Plaza Drive, Apt. 1159 Houston, TX 77077	2)	Brett A. Wilson 18819 Valley Cove Drive Cypress, TX 77433
3)	Clayton F. Gardinier 17006 Scenic Lakes Way Houston, TX 77095	4)	Robert Duenckel 13872 Windy Oaks Rd. Colorado Springs, CO 80921
5)	Todd Roper 24219 Chesterton Court Katy, TX 77494		

(hereinafter referred to as Assignors), have invented a certain invention entitled:

# METHODS OF MAKING PROPPANT PARTICLES FROM SLURRY DROPLETS AND METHODS OF USE

for which application for Letters Patent in the United States was filed on March 10, 2016, under Serial No. 15/066,936, executed on even date herewith; and

WHEREAS, CARBO CERAMICS INC., having a place of business at 575 N. Dairy Ashford Rd., Suite 300, Houston, Texas 77079 (hereinafter referred to as Assignee), is/are desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

- 1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.
- 2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority

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proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

- 3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.
- 4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	(0/2/17 (DATE) (DATE)	Benjamin T, Eldred Brett A. Wilson
3)	(DATE)	Clayton F. Gardinier
4)	(DATE)	Robert Duenckel
5)	/3/2/17 (DATE)	Todd Roper

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proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

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1)	(DATE)		
·		Benjamin T. Eldred	
2)	(DATE)		
	· · · · · · · · · · · · · · · · · · ·	Brett A. Wilson	
3)	(DATE)		
3,	(PN, F)	Clayton F. Garginier	**********
4)	10/5/17 (DATE)	Shet Quel	
		Robert Duenckel	
5)	(DATE)		
~/	(40, (40)	Todd Roner	***************************************

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PATENT

**REEL: 047798 FRAME: 0420** 

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3)	10/3/JOI/DATE)	Cay Star Oi
	/ / (	Clayton F. Gardinier
4)	(DATE)	
		Robert Duenckel
5)	(DATE)	
•		Todd Roper