

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5694392

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	SECURITY INTEREST	
CONVEYING PARTY DATA		
Name		Execution Date
COORSTEK, INC.		08/29/2019
RECEIVING PARTY DATA		
Name:	WELLS FARGO BANK, NATIONAL ASSOCIATION, AS COLLATERAL AGENT	
Street Address:	7711 PLANTATION ROAD, 1ST FLOOR	
Internal Address:	MAC R4057-01R	
City:	ROANOKE	
State/Country:	VIRGINIA	
Postal Code:	24019	
PROPERTY NUMBERS Total: 47		
Property Type	Number	
Patent Number:	6123525	
Patent Number:	6143421	
Patent Number:	6270601	
Patent Number:	6318978	
Patent Number:	6338906	
Patent Number:	6346317	
Patent Number:	6394281	
Patent Number:	6398991	
Patent Number:	6488230	
Patent Number:	6774073	
Patent Number:	6872676	
Patent Number:	7015165	
Patent Number:	7134851	
Patent Number:	7527761	
Patent Number:	7833469	
Patent Number:	8058174	
Patent Number:	8193469	
Patent Number:	8516857	
Patent Number:	8701712	

PATENT

Property Type	Number
Patent Number:	9285120
Patent Number:	9975811
Patent Number:	10000422
Patent Number:	10305116
Patent Number:	D714369
Patent Number:	D714370
Patent Number:	D714371
Patent Number:	D753739
Patent Number:	D771168
Patent Number:	D797171
Patent Number:	D797172
Patent Number:	D797826
Patent Number:	D821468
Patent Number:	D824969
Patent Number:	D824970
Application Number:	09827610
Application Number:	10071748
Application Number:	10176964
Application Number:	10612280
Application Number:	10883012
Application Number:	10903510
Application Number:	11538409
Application Number:	11616721
Application Number:	11925673
Application Number:	12191156
Application Number:	13656463
Application Number:	13752135
Application Number:	14086237

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ATTORNEY DOCKET NUMBER:	2029724-1459
NAME OF SUBMITTER:	BETTY G. SMITH
SIGNATURE:	/Betty G. Smith/
DATE SIGNED:	08/29/2019
Total Attachments: 5 source=Notice of Grant of Security Interest in Patents - CoorsTek, Inc#page1.tif source=Notice of Grant of Security Interest in Patents - CoorsTek, Inc#page2.tif source=Notice of Grant of Security Interest in Patents - CoorsTek, Inc#page3.tif source=Notice of Grant of Security Interest in Patents - CoorsTek, Inc#page4.tif source=Notice of Grant of Security Interest in Patents - CoorsTek, Inc#page5.tif	

**NOTICE
OF
GRANT OF SECURITY INTEREST
IN
PATENTS**

Dated as of August 29, 2019

United States Patent and Trademark Office

Ladies and Gentlemen:

Please be advised that pursuant to the Collateral Agreement dated as of August 29, 2019 (as amended, restated, supplemented or otherwise modified from time to time, the “Agreement”) among the Grantor (as identified on the signature pages hereto), the other grantors party thereto and the Collateral Agent (as identified on the signature pages hereto) for the Secured Parties referenced therein, the undersigned Grantor has granted a continuing security interest in and continuing lien upon the patents and patent applications identified on Schedule A to the Collateral Agent for the ratable benefit of the Secured Parties.

The Grantor and the Collateral Agent, on behalf of the Secured Parties, hereby acknowledge and agree that the security interest in such patents and patent applications (a) may only be terminated in accordance with the terms of the Agreement and (b) is not to be construed as an assignment of any patent or patent application.

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Very truly yours,

GRANTOR:

CoorsTek, Inc.
14143 Denver West Parkway
Suite 400
Golden, CO 80401

JURISDICTION OF FORMATION OF
GRANTOR: Delaware

COORSTEK, INC.

By: Dane A. Bartlett
Name: Dane A. Bartlett
Title: Secretary

Acknowledged and accepted:

COLLATERAL AGENT:

Wells Fargo Bank, National Association
7711 Plantation Road, 1st Floor
MAC R4057-01R
Roanoke, VA 24019

**WELLS FARGO BANK,
NATIONAL ASSOCIATION**

By: 
Name: Randall Schmidt
Title: Senior Vice President

**SCHEDULE A
TO
NOTICE
OF
GRANT OF SECURITY INTEREST
IN
PATENTS**

PATENTS:

Appl. No	Patent No.	Title
09/249720	6123525	Fluid pulsation stabilizer system and method
08/949227	6143421	Electronic components incorporating ceramic-metal composites
09/184790	6270601	Method for producing filled vias in electronic components
09/572043	6318978	Fluid pulsation stabilizer, system, and method
09/438202	6338906	Metal-infiltrated ceramic seal
08/820164	6346317	Electronic components incorporating ceramic-metal composites
09/803440	6394281	Method for sealing and/or joining an end of a ceramic filter
09/602798	6398991	Processes for making a silicon carbide composition
09/755552	6488230	Stationary web spreader
10/208720	6774073	Graphite loaded silicon carbide and methods for making
10/424569	6872676	Semiconductive zirconia sintering material comprising aluminum oxide
10/830659	7015165	Graphite loaded silicon carbide and methods for making
10/422059	7134851	Reciprocating pump having a ceramic piston
11/014198	7527761	Preparation of yttria-stabilized zirconia reaction sintered products
11/625207	7833469	Preparation of yttria-stabilized zirconia reaction sintered products
12/335334	8058174	Method for treating semiconductor processing components and components formed thereby
12/069563	8193469	Ceramic igniters
11/779580	8516857	Zirconia toughened alumina ESD safe ceramic composition, component, and methods for making same
13/021247	8701712	Method and apparatus for mitigating undesired fluid vibration
13/786162	9285120	Igniter shield device and methods associated therewith
14/737755	9975811	Sintered ceramic ball and method of making same
14/708880	10000422	Ceramic to ceramic joining method
14/621091	10305116	Cost-effective solid state reactive sintering method for protonic ceramic fuel cells
29/407171	D714369	Wafer paddle
29/495223	D714370	Wafer paddle
29/495224	D714371	Wafer paddle

Appl. No	Patent No.	Title
29/524165	D753739	Wire bonding wedge tool
29/507914	D771168	Wire bonding ceramic capillary
29/516523	D797171	Ceramic bonding tool with textured tip
29/516524	D797172	Ceramic bonding tool with textured tip
29/516521	D797826	Ceramic bonding tool with textured tip
29/612575	D821468	Ceramic bonding tool with textured tip
29/612580	D824969	Ceramic bonding tool with textured tip
29/612581	D824970	Ceramic bonding tool with textured tip

PATENT APPLICATIONS:

Appl. No	Patent No.	Title
09/827610		Method for producing filled vias in electronic components
10/071748		Body armor and methods for its production
10/176964		Apparatus having wear-resistant surface and method for making
10/612280		Aluminum oxide ceramic components and methods
10/883012		Pump plungers and methods
10/903510		Graphite loaded PTFE mechanical seals for rotating shafts
11/538409		BORON-SILICON-CARBON CERAMIC MATERIALS AND METHOD OF MAKING
11/616721		RECOVERY OF WATER VAPOR USING A WATER VAPOR PERMEABLE MIXED ION CONDUCTING MEMBRANE
11/925673		COATINGS FOR COMPONENTS OF SEMICONDUCTOR WAFER FABRICATION EQUIPMENT
12/191156		Pump Plungers and Methods
13/656463		MULTILAYER RARE-EARTH OXIDE COATINGS AND METHODS OF MAKING
13/752135		BORON-SILICON-CARBON CERAMIC MATERIALS AND METHOD OF MAKING
14/086237		IGNITION SYSTEM HAVING CONTROL CIRCUIT WITH LEARNING CAPABILITIES AND DEVICES AND METHODS RELATED THERETO