504091884 11/11/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		

CONVEYING PARTY DATA

Name	Execution Date
YINGGANG TIAN	07/27/2016
JOHN J. PEARLMAN	08/03/2016
MAUREEN A. BROSNAN	07/22/2016
ARUP K. KHAUND	11/07/2016

RECEIVING PARTY DATA

Name:	SAINT-GOBAIN ABRASIVES, INC		
Street Address:	One New Bond Street		
City:	Worcester		
State/Country:	MASSACHUSETTS		
Postal Code:	01615-0138		
Name:	SAINT-GOBAIN ABRASIFS		
Street Address:	Rue de l'Ambassadeur		
City:	Conflans-Sainte-Honorine		
State/Country:	FRANCE		
Postal Code:	78700		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15195236	

CORRESPONDENCE DATA

Fax Number: (512)795-7677

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:
 512-900-8500

 Email:
 mail@abel-ip.com

Correspondent Name: ABEL LAW GROUP, LLP

Address Line 1: 8911 N. CAPITAL OF TEXAS HWY

Address Line 2: BLDG 4, SUITE 4200 Address Line 4: AUSTIN, TEXAS 78759

ATTORNEY DOCKET NUMBER: 15-BD-0255US02

PATENT REEL: 040283 FRAME: 0721

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NAME OF SUBMITTER:	CHASE HOLIK		
SIGNATURE:	/Chase Holik/		
DATE SIGNED:	11/11/2016		
Total Attachments: 5			
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PATENT REEL: 040283 FRAME: 0722

Attorney Docket No.: 15-BD-0255US02

ASSIGNMENT OF INVENTION

For good and valuable consideration, the receipt of which is hereby acknowledged, I, an ASSIGNOR named below,

Yinggang TIAN of Shrewsbury, MA US

John J. PEARLMAN of Berlin, MA US

Maureen A. BROSNAN of West Boylston, MA US

Arup K. KHAUND of Northborough, MA US

hereby sell, assign and transfer to

ASSIGNEE:

SAINT-GOBAIN ABRASIVES, INC., a Massachusetts Corporation, having a principal place of business at One New Bond Street, Worcester, MA 01615-0138 USA,

and

SAINT-GOBAIN ABRASIFS, having a principal place of business at Rue de l'Ambassadeur, 78700 Conflans-Sainte-Honorine, FRANCE,

its successors, assigns and legal representatives, my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention disclosed in:

U.S. Patent	Application executed on	about the date of this Assignment	t,
U.S. Provisi	onal Application	, filed on	
	ation No.: <u>15195236</u> , filed (on <u>June 28, 2016</u> , or	
Internationa	Application No.: PCT/	, filed on	,
ENTITLED:	ABRASIVE ARTICLE	AND METHOD OF FORMING	G, and

INVENTOR(S): Yinggang TIAN, John J. PEARLMAN, Maureen A. BROSNAN and Arup K. KHAUND.

("Invention") including without limitation, my entire right, title and interest in and to any and all United States and foreign applications (including international, regional and foreign national applications) for said Invention, including divisions, continuations, continuations-in-part, utility models, industrial designs, renewals, substitutes and extensions thereof, and in and to any and all patents, invention registrations, or other forms of protection ("Patents") of every country or region that may be granted or have been granted for said Invention, including any reissues and reexaminations thereof.

	date be inse	uis Assignment, I authorize and request that the erted here, if not already shown above, when they become known.
		atents in the United States and foreign countries without further authorization from me.
legal representatives and assigns we giving of testimony, that may be enforcing the Patents in the Unite perfecting, recording, or maintain	vill do all lawful necessary or de ed States and the ning the title of	pensation, but at no expense to me, I and/or my acts, including the execution of papers and the esirable for obtaining, sustaining, reissuing, or roughout the world for said Invention, and for Assignee, its successors and assigns, to said ted for said Invention in the United States and
I hereby covenant that no assignment made or entered into that would co		agreement, or encumbrance has been or will be assignment.
agencies, departments, or other size Patents granted for said Invention divisional, continuation, continuation	milar offices and n, whether on a tion-in-part, red	ited States Patent and Trademark Office and d officials of all foreign countries to issue any said application or on any subsequently filed examination, reissue or other application, to e of the entire interest in said Invention.
Executed on $\frac{07/27}{}$, 201 <u>6</u> _by	Yinggang TIAN
Witnessed on <u>07/27</u>	201 <u></u> by	Vinggang TIAN Auaual Non-inventor Witness Signature
Executed on	,201 by	John J. PEARLMAN
Witnessed on	, 201 by	Non-inventor Witness Signature

application number and filing da	recording this Assignment, I authorize and request that the steep be inserted here, if not already shown above,) when they become known.		
	be granted patents in the United States and foreign countries ats of priority without further authorization from me.		
I agree that, upon request and without further compensation, but at no expense to me, I and/or my legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing the Patents in the United States and throughout the world for said Invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said Invention, said application, and any Patents granted for said Invention in the United States and throughout the world.			
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agencies, departments, or other simila Patents granted for said Invention, we divisional, continuation, continuation	of the United States Patent and Trademark Office and ar offices and officials of all foreign countries to issue any whether on said application or on any subsequently filed a-in-part, reexamination, reissue or other application, to sthe assignee of the entire interest in said Invention.		
Executed on,	201by, Yinggang TIAN		
	Yinggang TIAN		
Witnessed ons	201byNon-inventor Witness Signature		
Executed on $\frac{8/3}{}$	201/6 10		
Witnessed on <u>8/3/16</u> ,	John J. PEARLMAN 201_by		

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		5,000	Edward	Non-inventor Witness Signature
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Executed on	<u>,</u> 2	01_	_ by	Arup K. KHAUND
Executed on			_by by	

Executed on	, 201	_ by _	Maureen A. BROSNAN
Witnessed on	, 201	_by	Non-inventor Witness Signature
Executed on November 7			AIUD K. KHAUND
Witnessed on November 7	, 201 <u>6</u>	_ by	Non-inventor Witness Signature