504515147 08/23/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PANKAJ K. MEHROTRA	08/16/2017
PANKAJ B. TRIVEDI	08/15/2017
KENT P. MIZGALSKI	08/15/2017

RECEIVING PARTY DATA

Name:	KENNAMETAL INC.
Street Address:	1600 TECHNOLOGY WAY
City:	LATROBE
State/Country:	PENNSYLVANIA
Postal Code:	15650-0231

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15675078

CORRESPONDENCE DATA

Fax Number: (724)539-5903

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: 724-539-5485

Email: k-corp.patents@kennametal.com

KENNAMETAL INC. **Correspondent Name:**

Address Line 1: P.O. BOX 231

Address Line 2: 1600 TECHNOLOGY WAY

Address Line 4: LATROBE, PENNSYLVANIA 15650

ATTORNEY DOCKET NUMBER:	P16-06163-US-NP
NAME OF SUBMITTER:	STEPHANIE WILLIAMS
SIGNATURE:	/Stephanie Williams/
DATE SIGNED:	08/23/2017

Total Attachments: 6

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> **PATENT REEL: 043364 FRAME: 0719** 504515147

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> PATENT REEL: 043364 FRAME: 0720

ASSIGNMENT

In accordance with my/our obligations under an Employment Agreement or (as applicable) arising out of other agreements, and/or for other good and valuable consideration of which I/we acknowledge receipt, I/we,

Pankaj K. MEHROTRA of 23 Peters Road

Greensburg, PA 15601

US

Pankaj B. TRIVEDI of 207 Kingsbrooke Drive

Greensburg, PA 15601

US

Kent P. MIZGALSKI of 127 Fox Haven Drive

Stahlstown, PA 15687

US

hereby assign to Kennametal Inc., a corporation of the Commonwealth of Pennsylvania, (hereinafter referred to as Assignee) having an address at 1600 Technology Way, Latrobe, Pennsylvania 15650-0231, USA, its successors and assigns my (our) entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me/us and described in the application for patent currently entitled:

GRADE POWDERS AND SINTERED CEMENTED CARBIDE COMPOSITIONS

	executed concurrently herewith and filed in,
\boxtimes	filed on August 11, 2017 having Serial Number 15/675,078, filed in the United States,

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of the above identified application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Assignee, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Assignee, I/we will communicate to said Assignee or its representatives or nominees any facts known to me/us respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

1

DOCKET NO. P16-06163-US-NP

I/we, an inventor signing below, hereby authorize and request the Assignee's U.S. attorneys associated with U.S. Patent and Trademark Office Customer Number 27877 to insert the application number and filing date, when known, into the assignment for this invention.

INVENTOR \int	74 1 1101	⇒	
Signature: <u> f</u>	anto tunar Mohat Pankaj K. MEHROTRA	ズ Date: <u>男/16/</u>	
Withessed by:	Signature	Date:	
	Printed Name of Witness		
Witnessed by:	Signature	Date:	
	Printed Name of Witness		
INVENTOR 2			
Signature:	Pankaj B. TRIVEDI	Date:	
Witnessed by:	Signature	Date:	
	Printed Name of Witness	Subtraction of the state of the	
Witnessed by:	Signature	Date:	
	Printed Name of Witness		

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PATENT

REEL: 043364 FRAME: 0722

DOCKET NO. P16-06163-US-NP

INVENTOR 3			
Signature:	Kent P. MIZGALSKI	Date:	
Witnessed by:	Signature	Date:	
	Printed Name of Witness		
Witnessed by:	Signature	Date:	
	Printed Name of Witness		

ASSIGNMENT

In accordance with my/our obligations under an Employment Agreement or (as applicable) arising out of other agreements, and/or for other good and valuable consideration of which I/we acknowledge receipt, I/we,

Pankaj K. MEHROTRA

of 23 Peters Road

Greensburg, PA 15601

US

Pankaj B. TRIVEDI

of 207 Kingsbrooke Drive

Greensburg, PA 15601

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Kent P. MIZGALSKI

127 Fox Haven Drive

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hereby assign to Kennametal Inc., a corporation of the Commonwealth of Pennsylvania, (hereinafter referred to as Assignee) having an address at 1600 Technology Way, Latrobe, Pennsylvania 15650-0231, USA, its successors and assigns my (our) entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me/us and described in the application for patent currently entitled:

GRADE POWDERS AND SINTERED CEMENTED CARBIDE COMPOSITIONS

of

executed concurrently herewith and filed in,	d filed in
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filed on August 11, 2017 having Serial Number 15/675,078, filed in the United States,

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of the above identified application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Assignee, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Assignee, I/we will communicate to said Assignee or its representatives or nominees any facts known to me/us respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

1

I/we, an inventor signing below, hereby authorize and request the Assignee's U.S. attorneys associated with U.S. Patent and Trademark Office Customer Number 27877 to insert the application number and filing date, when known, into the assignment for this invention.

INVENTOR 1			
Signature:		Date:	
	Pankaj K. MEHROTRA		The state of the s
Witnessed by:		Date:	
	Signature		
	Printed Name of Witness		
Witnessed by:		Date:	
	Signature	- COMMISSION AND ADMINISTRATION	***************************************
	Printed Name of Witness		
INVENTOR 2			
Signature:	Pankaj B. TRIVEDI	Date: 08 15 17	The attition and the appropriate that processes
	Kent P. Mizzalsky Signame	Date: <u>8/15/17</u>	
	Kent P. Mizgalck; Printed Name of Witness	s. /. /	
Witnessed by:	Aug a Tullows	Date: 8/15/17	
	Printed Name of Witness		

DOCKET NO. P16-06163-US-NP

INVENTOR 3	
Signature: Kent P. Miggalok Kent P. MIZGALSKI	Date: 8/15/17
Witnessed by: Signature	Date: 8115117
PANKAL B. TRIVED Printed Name of Witness Witnessed by: Signature Ames A Howard & Printed Name of Witness	Date: