# 504357515 05/09/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4404206

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY	DATA			
		Name	Execution Date	
MARK S. GREENFIEL	D		12/12/2014	
RECEIVING PARTY D	ΑΤΑ			
Name:	KENNA	KENNAMETAL INC.		
Street Address:	1600 TI	1600 TECHNOLOGY WAY		
City:	LATRO	LATROBE		
State/Country:	PENNS	PENNSYLVANIA		
Postal Code:	15650-0	15650-0231		
PROPERTY NUMBER	S Total: 1			
Property Type		Number		
Application Number: 1454		14549124		
CORRESPONDENCE	DATA			
. ,		(724)539-5903		
		the e-mail address first; if that i ; if that is unsuccessful, it will b		
		724-5395485	5395485	
-		k-corp.patents@kennametal.com		
		KENNAMETAL INC.		
		P.O. BOX 231		
		1600 TECHNOLOGY WAY		
Address Line 4:		LATROBE, PENNSYLVANIA 1565	50	
ATTORNEY DOCKET I	NUMBER:	K4414USUS2		
NAME OF SUBMITTER	l:	STEPHANIE WILLIAMS	STEPHANIE WILLIAMS	
SIGNATURE:		/Stephanie Williams/	/Stephanie Williams/	
DATE SIGNED:		05/09/2017	05/09/2017	
Total Attachments: 2 source=K4414USUS2_/ source=K4414USUS2_/	-			

#### DOCKET NUMBER: K-4414USUS2

#### 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,

Mark S. GREENFIELD

Pankaj Kumar MEHROTRA

of 23 Peters Road Greensburg, PA 15601 US of 119 Cheshire Drive Greensburg, PA 15601 US

hereby sell and 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 United States Patent currently entitled:

#### PURIFICATION OF TUNGSTEN CARBIDE COMPOSITIONS

executed concurrently herewith,

filed on November 20, 2014 having Serial Number 14/549, 124

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 said United States 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.

I/we, an inventor signing below, hereby authorize and request my attorneys associated with Customer Number 27877 to insert the application number and filing date, when known, into the assignment for this invention.

-1-

INVENTOR 1

Signature:

Pankaj Kumar MEHROTRA

Date: \_\_\_\_\_

Witnessed by: \_\_\_\_\_

Signature

Date: \_\_\_\_\_

Printed Name of Witness

CHARLOTTE 123914.1

### DOCKET NUMBER: K-4414USUS2

Witnessed by: _	
	Signature
	Printed Name of Witness
INVENTOR 2	n n n n n n n
Signature:	Mul of the
Witnessed by:	Marke. GREGAFIELD
Ŕ	obert L. Spanninger Printed Name of Witness
Witnessed by:	Bolche Hin l'el

Date: \_\_\_\_\_

Date: 12/12/14 Date: 12/12/2014

Date: 12/12/2014

<u>Robbie Green Field</u> Printed Name of Witness

-2-

PATENT REEL: 042293 FRAME: 0946

CHARLOTTE 123914.1

**RECORDED: 05/09/2017**