

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Volkmar Sottke</td><td>01/16/2013</td></tr><tr><td>Doris Lenk</td><td>01/16/2013</td></tr><tr><td>Hartmut Westphal</td><td>01/15/2013</td></tr><tr><td>Hendrikus Van Den Berg</td><td>01/16/2013</td></tr><tr><td>Peter Leicht</td><td>01/14/2013</td></tr><tr><td>Mark Greenfield</td><td>01/14/2013</td></tr><tr><td>Yixiong Liu</td><td>01/14/2013</td></tr></tbody></table>		Name	Execution Date	Volkmar Sottke	01/16/2013	Doris Lenk	01/16/2013	Hartmut Westphal	01/15/2013	Hendrikus Van Den Berg	01/16/2013	Peter Leicht	01/14/2013	Mark Greenfield	01/14/2013	Yixiong Liu	01/14/2013
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Peter Leicht	01/14/2013																
Mark Greenfield	01/14/2013																
Yixiong Liu	01/14/2013																
RECEIVING PARTY DATA																	
Name:	Kennametal Inc.																
Street Address:	1600 Technology Way																
City:	Latrobe																
State/Country:	PENNSYLVANIA																
Postal Code:	15650-0231																
PROPERTY NUMBERS Total: 1																	
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13750252</td></tr></tbody></table>		Property Type	Number	Application Number:	13750252												
Property Type	Number																
Application Number:	13750252																
CORRESPONDENCE DATA																	
Fax Number:	7245395903																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	724-539-5485																
Email:	k-corp.patents@kennametal.com																
Correspondent Name:	KENNAMETAL INC. Intellectual Property De																
Address Line 1:	P.O. BOX 231																
Address Line 2:	1600 TECHNOLOGY WAY																
Address Line 4:	LATROBE, PENNSYLVANIA 15650																
ATTORNEY DOCKET NUMBER:	K-4121																

CH \$40.00 13750252

502207952

PATENT  
REEL: 029695 FRAME: 0112

NAME OF SUBMITTER:

J. Clinton Wimbish

Total Attachments: 6

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**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,

<b>Volkmar Sottke</b>	of	Holzstrasse 182 Mülheim/Ruhr Germany
<b>Doris Lenk</b>	of	Kolumbusstrasse 30 Mülheim/Ruhr Germany
<b>Hartmut Westphal</b>	of	Schulstrasse 16 Dernbach/Rhön Germany
<b>Hendrikus Van Den Berg</b>	of	Ligusterpad 41 Venlo-Blerick Netherlands
<b>Peter Leicht</b>	of	207 Rockledge Lane Latrobe, PA 15650 United States
<b>Mark Greenfield</b>	of	119 Cheshire Drive Greensburg, PA 15601 United States
<b>Yixiong Liu</b>	of	317 Marigold Drive Greensburg, PA 15601 United States

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:

**Coatings For Cutting Tools**

☒ executed concurrently herewith,

☐ filed on        having Serial Number

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,

DOCKET NUMBER: K-4121

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.

INVENTOR 1

Signature:

Volkmar Sottke  
Volkmar Sottke

Date:

Jan. 16. 2013

Witnessed by:

Klaus Rödiges  
Signature

Klaus Rödiges  
Printed Name of Witness

Date:

16.01.2013

Witnessed by:

Dieter Kassel  
Signature

Dieter Kassel  
Printed Name of Witness

Date:

16.01.2013

INVENTOR 2

Signature:

Doris Lenk  
Doris Lenk

Date:

Jan 16. 2013

Witnessed by:

Klaus Rödiges  
Signature

Klaus Rödiges  
Printed Name of Witness

Date:

16.01.2013

Witnessed by:

Dieter Kassel  
Signature

Dieter Kassel  
Printed Name of Witness

Date:

16.01.2013

INVENTOR 1

Signature:

Hartmut Westphal  
Hartmut Westphal

Date:

2013-01-15

Witnessed by:

Dieter Kassel  
Signature

Date:

22.1.2013

Dieter Kassel  
Printed Name of Witness

Witnessed by:

A. Wierfels  
Signature

Date:

22/01/2013

Andreas Wierfels  
Printed Name of Witness

INVENTOR 4

Signature:

Hendrikus Van Den Berg

Date:

Witnessed by:

\_\_\_\_\_  
Signature

Date:

\_\_\_\_\_  
Printed Name of Witness

Witnessed by:

\_\_\_\_\_  
Signature

Date:

\_\_\_\_\_  
Printed Name of Witness

INVENTOR 5

Signature:

Peter Leicht

Date:

Witnessed by:

\_\_\_\_\_  
Signature

Date:

\_\_\_\_\_  
Printed Name of Witness

Witnessed by:

\_\_\_\_\_  
Signature

Date:

\_\_\_\_\_  
Printed Name of Witness

DOCKET NUMBER: K-4121

INVENTOR 3

Signature: \_\_\_\_\_  
Hartmut Westphal

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

Witnessed by: \_\_\_\_\_  
Signature  
\_\_\_\_\_  
Printed Name of Witness

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


Witnessed by: \_\_\_\_\_  
Signature  
\_\_\_\_\_  
Printed Name of Witness

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

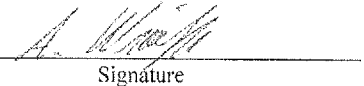
INVENTOR 4

Signature:   
Hendrikus Van Den Berg

Date: Jan 16, 2013

Witnessed by:   
Signature  
Dieter Kassel  
Printed Name of Witness

Date: 22.1.2013

Witnessed by:   
Signature  
Andreas Würfel  
Printed Name of Witness

Date: 22/01/2013

INVENTOR 5

Signature: \_\_\_\_\_  
Peter Leicht

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

Witnessed by: \_\_\_\_\_  
Signature  
\_\_\_\_\_  
Printed Name of Witness

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

Witnessed by: \_\_\_\_\_  
Signature  
\_\_\_\_\_  
Printed Name of Witness

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

DOCKET NUMBER: K-4121

INVENTOR 3

Signature: Hartmut Westphal

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

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

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

\_\_\_\_\_  
Printed Name of Witness

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

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

\_\_\_\_\_  
Printed Name of Witness

INVENTOR 4

Signature: Hendrikus Van Den Berg

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

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

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

\_\_\_\_\_  
Printed Name of Witness

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

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

\_\_\_\_\_  
Printed Name of Witness

INVENTOR 5

Signature: Peter Leicht  
Peter Leicht

Date: 1/14/13

Witnessed by: Vineet Kumar  
Signature

Date: 1/14/13

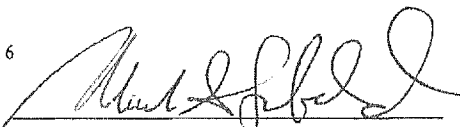
VINEET KUMAR  
Printed Name of Witness

Witnessed by: Robert Varsinko  
Signature

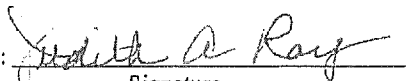
Date: 1-14-2013

Robert Varsinko  
Printed Name of Witness


INVENTOR 6

Signature:   
Mark Greenfield

Date: Jan 14, 2013

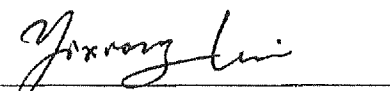
Witnessed by:   
Signature  
JUDITH A. RAY  
Printed Name of Witness

Date: 1-14-2013


Witnessed by:   
Signature  
MICHAEL MEYER  
Printed Name of Witness

Date: 1-14-2013

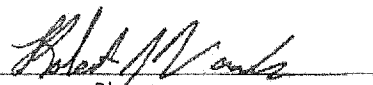
INVENTOR 7

Signature:   
Yixiong Liu

Date: 1/14/2013

Witnessed by:   
Signature  
VINEET KUMAR  
Printed Name of Witness

Date: 1/14/2013

Witnessed by:   
Signature  
Robert Vaisinko  
Printed Name of Witness

Date: 1-14-2013