

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>Aharon Inspektor</td> <td>03/17/2011</td> </tr> <tr> <td>Nicholas F Waggle Jr</td> <td>03/15/2011</td> </tr> <tr> <td>Michael F Beblo</td> <td>03/11/2011</td> </tr> <tr> <td>Mark J Rowe</td> <td>03/11/2011</td> </tr> <tr> <td>Zhigang Ban</td> <td>03/11/2011</td> </tr> </tbody> </table>		Name	Execution Date	Aharon Inspektor	03/17/2011	Nicholas F Waggle Jr	03/15/2011	Michael F Beblo	03/11/2011	Mark J Rowe	03/11/2011	Zhigang Ban	03/11/2011
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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>13860279</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13860279								
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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-3099USUS2												
NAME OF SUBMITTER:	Tammy Stevens												

CH \$40.00 13860279

Signature:	/tammy stevens/
Date:	04/10/2013
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	

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,

Aharon Inspektor	of	5515 Raleigh Street Pittsburgh, PA 15217 USA
Nicholas F. Waggle, Jr.	of	1000 Twin Maples Road Derry, PA 15627 USA
Michael F. Beblo	of	265 Old William Penn Highway Delmont, PA 15626 USA
Mark J. Rowe	of	135 Franklin Drive New Derry, PA 15671 USA
Zhigang Ban	of	100 Greenfield Drive Latrobe, PA 15650 USA

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:

COATING FOR IMPROVED WEAR RESISTANCE

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, 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: _____
Aharon Inspektor

Date: 3/17/2011

Witnessed by: [Signature]
Signature

Date: 3/17/11

Matthew W. Gordon
Printed Name of Witness

[Signature]
Signature of Witness

Witnessed by: Susan Cranmer Jervis
Signature

Date: 3/17/2011

Susan Cranmer Jervis
Printed Name of Witness

INVENTOR 2

Signature: [Signature]
Nicholas F. Waggle, Jr.

Date: 3/15/2011

Witnessed by: [Signature]
Signature

Date: 3/15/2011

Matthew W. Gordon
Printed Name of Witness

Witnessed by: Susan Cranmer Jervis
Signature

Date: 3/15/2011

Susan Cranmer Jervis
Printed Name of Witness

INVENTOR 3

Signature: [Signature]
Michael F. Beblo

Date: 3/11/2011

Witnessed by: [Signature]
Signature

Date: 3/11/2011

Matthew W. Gordon
Printed Name of Witness

Witnessed by: Susan Cramer-Jervis
Signature
Susan Cramer-Jervis
Printed Name of Witness

Date: 3/11/2011

INVENTOR 4

Signature: [Signature]
Mark J. Rowe

Date: 3/11/2011

Witnessed by: [Signature]
Signature
Matthew W. Gordon
Printed Name of Witness

Date: 3/11/2011

Witnessed by: Susan Cramer-Jervis
Signature
Susan Cramer-Jervis
Printed Name of Witness

Date: 3/11/2011

INVENTOR 5

Signature: [Signature]
Zhigang Ban

Date: 3/11/2011

Witnessed by: [Signature]
Signature
Matthew W. Gordon
Printed Name of Witness

Date: 3/11/2011

Witnessed by: Susan Cramer-Jervis
Signature
Susan Cramer-Jervis
Printed Name of Witness

Date: 3/11/2011