

PATENT ASSIGNMENT

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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>Shi Chen</td> <td>03/12/2013</td> </tr> <tr> <td>Nicholas J Henry</td> <td>03/12/2013</td> </tr> <tr> <td>Kent P Mizgalski</td> <td>03/12/2013</td> </tr> </tbody> </table>		Name	Execution Date	Shi Chen	03/12/2013	Nicholas J Henry	03/12/2013	Kent P Mizgalski	03/12/2013
Name	Execution Date								
Shi Chen	03/12/2013								
Nicholas J Henry	03/12/2013								
Kent P Mizgalski	03/12/2013								
RECEIVING PARTY DATA									
Name:	Kennametal Inc.								
Street Address:	1600 Technology Way								
City:	Latrobe								
State/Country:	PENNSYLVANIA								
Postal Code:	15650								
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>13804191</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13804191				
Property Type	Number								
Application Number:	13804191								
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-3048USUS2								
NAME OF SUBMITTER:	Stephen T. Belsheim								
Total Attachments: 2 source=K-3048USUS2ASSIGNMENT#page1.tif source=K-3048USUS2ASSIGNMENT#page2.tif									

CH \$40.00 13804191

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,

Shi Chen of **9194 Abbey Lane N., Huntingdon, PA 15642**
US

Nicholas J. Henry of **913 Donohoe Road, Latrobe, PA 15650 US**

Kent P. Mizgalski of **127 Fox Haven Drive, Stahlstown, PA 15687**
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:

ROUGHING CUTTING INSERT


executed concurrently herewith,

filed 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.

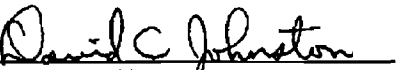
INVENTOR 1

Signature: 
Shi Chen

Date: 3/12/2013

Witnessed by: 
Signature
QIANG WU
Printed Name of Witness

Date: 3/12/2013


Witnessed by: 
Signature
DAVID C JOHNSTON
Printed Name of Witness

Date: 3-12-2013

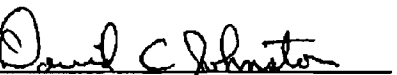
INVENTOR 2

Signature: 
Nicholas J. Henry

Date: 3/12/2013


Witnessed by: 
Signature
QIANG WU
Printed Name of Witness

Date: 3/12/2013


Witnessed by: 
Signature
DAVID C JOHNSTON
Printed Name of Witness

Date: 3-12-2013

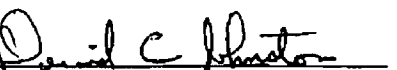
INVENTOR 3

Signature: 
Kent P. Mizgalski

Date: 3/12/2013

Witnessed by: 
Signature
QIANG WU
Printed Name of Witness

Date: 3/12/2013

Witnessed by: 
Signature
DAVID C JOHNSTON
Printed Name of Witness

Date: 3-12-2013