**PATENT ASSIGNMENT**

**Electronic Version v1.1**  
**Stylesheet Version v1.1**

### SUBMISSION TYPE:  NEW ASSIGNMENT

### NATURE OF CONVEYANCE:  ASSIGNMENT

### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wangyang Ni</td>
<td>09/09/2011</td>
</tr>
<tr>
<td>Ronald M. Penich</td>
<td>09/12/2011</td>
</tr>
<tr>
<td>Yixiong Liu</td>
<td>09/12/2011</td>
</tr>
</tbody>
</table>

### RECEIVING PARTY DATA

- **Name:** Kennametal Inc.  
- **Street Address:** 1600 Technology Way  
- **City:** Latrobe  
- **State/Country:** PENNSYLVANIA  
- **Postal Code:** 15650

### PROPERTY NUMBERS Total: 1

<table>
<thead>
<tr>
<th>Property Type</th>
<th>Number</th>
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<tbody>
<tr>
<td>Application Number</td>
<td>13232076</td>
</tr>
</tbody>
</table>

### CORRESPONDENCE DATA

- **Fax Number:** (724)539-5903  
- **Phone:** 724-539-5485  
- **Email:** k-corp.patents@kennametal.com  

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*

- **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-2749

### NAME OF SUBMITTER:  Stephen T. Belsheim

**Total Attachments: 4**

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- source=K-2749ASSIGNMENT#page2.tif  
- source=K-2749ASSIGNMENT#page3.tif  
- source=K-2749ASSIGNMENT#page4.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, Mungyang Ni of 30 Leah Way, Parsippany, NJ 07054 US, Ronald M. Penich of 329 Center Ave., Greensburg, PA 15601 US and Yixiong Liu of 317 Marigold Dr., Greensburg, PA 15601 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:

MULTILAYER COATED WEAR-RESISTANT MEMBER AND METHOD FOR MAKING THE SAME

☐ 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, its successors and 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: Nee Nee Nee
Wangyang Nee
Witnessed by: Michael A. Weke
Signature
Printed Name of Witness
Date: 09/09/2011

INVENTOR 2
Signature: Ronald M. Pelele
Date: __________________
Witnessed by: __________________
Signature
Printed Name of Witness
Date: __________________

INVENTOR 3
Signature: Yixiong Liu
Date: __________________
Witnessed by: __________________
Signature
Printed Name of Witness
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,

Wangyang Ni
of 30 Leah Way, Parsippany, NJ 07054 US

Ronald M. Penich
of 329 Center Ave., Greensburg, PA 15601 US

Yixiong Liu
of 317 Marigold Dr., Greensburg, PA 15601

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:

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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: ________________________________
Wangyang Ni

Witnessed by: ________________________________
Signature

Printed Name of Witness

Witnessed by: ________________________________
Signature

Printed Name of Witness

DOCKET NUMBER: K-2749

INVENTOR 2

Signature: ________________________________
Ronald M. Penich

Witnessed by: ________________________________
Signature

Printed Name of Witness

Witnessed by: ________________________________
Signature

Printed Name of Witness

Date: ________________________________
9/12/11

INVENTOR 3

Signature: ________________________________
Yixiong Liu

Witnessed by: ________________________________
Signature

Printed Name of Witness

Witnessed by: ________________________________
Signature

Printed Name of Witness

Date: ________________________________
9/12/2011

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