

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RUY FROTA DE SOUZA FILHO	05/15/2014
JOSEF K. HERUD	05/05/2014
MAHIMA R KULKARNI	05/05/2014
SANTHOSHA BOREGOWDA BORAPURA	05/05/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	KENNAMETAL INC.
<b>Street Address:</b>	1600 TECHNOLOGY WAY
<b>City:</b>	LATROBE
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	15650
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14285011
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	724-539-5485
<b>Email:</b>	k-corp.patents@kennametal.com
<b>Correspondent Name:</b>	KENNAMETAL INC. INTELLECTUAL PROPERTY DE
<b>Address Line 1:</b>	P.O. BOX 231
<b>Address Line 2:</b>	1600 TECHNOLOGY WAY
<b>Address Line 4:</b>	LATROBE, PENNSYLVANIA 15650
<b>ATTORNEY DOCKET NUMBER:</b>	K-4299INUS1
<b>NAME OF SUBMITTER:</b>	BENJAMIN T. QUEEN II
<b>SIGNATURE:</b>	/Benjamin T. Queen II/
<b>DATE SIGNED:</b>	05/22/2014
<b>Total Attachments: 4</b>	
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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,

**Ruy Frota de Souza Filho**

of **639 Rose Garden Terrace  
Latrobe, PA 15650  
a citizen of Brazil**

**Josef K. Herud**

of **Hauptendorfer Strasse 43a  
91074 Herzogenaurach  
Germany  
a citizen of Germany**

**Mahima R Kulkarni**

of **Flat No #E/5/4,Platinum city apartments,  
HMT link Road, Off Tumkur Road,  
Yeshwantpur, Bengaluru,  
Karnataka, INDIA, 560022  
a citizen of India**

**Santhosha Boregowda Borapura**

of **#30, S/O Boregowda, Borapura,  
Sadholalu Post, Maddur taluk, Mandya  
District, Maddur – 571428, Karnataka, India  
a citizen of India**

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:

**HYDRAULIC CHUCK WITH A REDUCTION SLEEVE**

☒ 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,

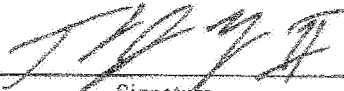
continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

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:   
Ruy Piota de Souza Filho

Date: 05-15-2014

Witnessed by:   
Signature  
Thomas J. Long II  
Printed Name of Witness

Date: 05-15-2014

Witnessed by:   
Signature  
Qiang Wu  
Printed Name of Witness

Date: 05-15-2014

INVENTOR 2

Signature: \_\_\_\_\_  
Josef K. Herud

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

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

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

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

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

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: Ruy Frota de Souza Filho

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

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

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

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

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

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

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

INVENTOR 2

Signature:   
Josef K. Herud

Date: 05. May 2014

Witnessed by:   
Signature

Date: 05. May 2014

BERTHOLD ZEUG  
Printed Name of Witness

Witnessed by:   
Signature

Date: 05. May 2014

Stephan Schatz  
Printed Name of Witness

INVENTOR 3

Signature: Mahima R Kulkarni  
Mahima R Kulkarni

Date: 5/5/2014

Witnessed by: Ravi S. Biradar  
Signature  
Ravi S. Biradar  
Printed Name of Witness

Date: 5/5/2014

Witnessed by: Suma Ayali  
Signature  
Suma Ayali  
Printed Name of Witness

Date: 05/05/2014

INVENTOR 4

Signature: Santhosha Boregowda Borapura  
Santhosha Boregowda Borapura

Date: 05/05/2014

Witnessed by: Gururaj B.H.  
Signature  
GURURAJ B.H.  
Printed Name of Witness

Date: 05/05/2014

Witnessed by: A.P. Tanner  
Signature  
A.P. Tanner  
Printed Name of Witness

Date: 05/05/2014