

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>Ravishankar RS</td> <td>03/30/2013</td> </tr> <tr> <td>Raghu Kuppalli Venkataramu</td> <td>03/30/2013</td> </tr> <tr> <td>Suresh Kamath Purushottam</td> <td>03/30/2013</td> </tr> <tr> <td>Sanjay Kumar</td> <td>03/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ravishankar RS	03/30/2013	Raghu Kuppalli Venkataramu	03/30/2013	Suresh Kamath Purushottam	03/30/2013	Sanjay Kumar	03/30/2013
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RECEIVING PARTY DATA											
Name:	Kennametal India Limited										
Street Address:	8/9th Mile, Tumkur Road										
City:	Bangalore										
State/Country:	INDIA										
Postal Code:	560073										
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>13742135</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13742135						
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CORRESPONDENCE DATA											
<p>Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>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</p>											
ATTORNEY DOCKET NUMBER:	K-3086INUS1										
NAME OF SUBMITTER:	Benjamin T. Queen II										
Signature:	/Benjamin T. Queen II/										

PATENT

Date:

04/11/2013

Total Attachments: 3

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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,

Ravishankar RS	of	#29, 1st Main, 6th Block Vidyaranayapura, BEL Layout Bangalore, India 560097 a citizen of India
Raghu Kuppalli Venkataramu	of	#12E, KIADB Housing Complex Near TVS Cross, Peenya 3rd Phase Bangalore, India 560058 a citizen of India
Suresh Kamath Purushottam	of	#10, Suhas, 3rd E Cross Off 5th Cross, Pappaliah Layout Bangalore, India 560043 a citizen of India
Sanjay Kumar	of	VPO-Meharawla, Th-Tibbi Dist-Hanumangarh, India a citizen of India

hereby sell and assign to Kennametal India Limited (hereinafter referred to as Assignee), an Indian Company having an address at 8/9th Mile, Tumkur Road, Bangalore-560073, Karnataka, India, 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:

**HARDMETAL ROLL CLAMPING SYSTEM ONTO THE SHAFT AND
THE METHOD THEREOF**

executed concurrently herewith,

filed on January 15, 2013 having Serial Number 13/742,135

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.

INVENTOR 1
Signature: [Signature]
Date: 30/ March / 2013
Inventor Name RAVISHANKAR, RS

Witnessed by: [Signature]
Date: 30/03/2013
Signature Suryanarayana Raju G.

Printed Name of Witness
Witnessed by: [Signature]
Date: 30/03/2013
Signature
Prashanth Suresh.
Printed Name of Witness

INVENTOR 2
Signature: [Signature]
Date: 30/03/2013
Inventor Name RAGHU.KUPPALLI
VENKATARAMU

Witnessed by: [Signature]
Date: 30/03/2013
Signature
Suryanarayana Raju G.
Printed Name of Witness

Witnessed by: [Signature]
Date: 30/03/2013
Signature
Vishwanath Lande
Printed Name of Witness

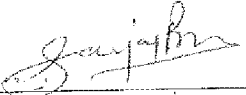
INVENTOR 3
Signature: [Signature]
Date: 30/03/2013
Inventor Name SURESH KAMATH PURUSHOTTAM

Witnessed by: [Signature]
Date: 30/03/2013
Signature VIVEK.C.T

Printed Name of Witness
Witnessed by: [Signature]
Date: 30/03/2013
Signature
DAYANANDA.N

Printed Name of Witness

INVENTOR 4

Signature: 
Inventor Name Sanjay Kumar

Date: 30/3/2013

Witnessed by: 
Signature

Date: 30/3/2013

Prashanth. Suresh
Printed Name of Witness

Witnessed by: Chirag Santosh
Signature
CHIRAG SANTOSH

Date: 30/3/2013

Printed Name of Witness