504220909 02/09/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRIAN LAVELY	01/17/2017
CHAD SWOPE	01/17/2017

RECEIVING PARTY DATA

Name:	KENNAMETAL INC.
Street Address:	1600 TECHNOLOGY WAY
City:	LATROBE
State/Country:	PENNSYLVANIA
Postal Code:	15650

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15373212

CORRESPONDENCE DATA

Fax Number: (724)539-5903

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.

Phone: 7245395485

Email: k-corp.patents@kennametal.com

Correspondent Name: KENNAMETAL INC.

Address Line 1: 1600 TECHNOLOGY WAY

Address Line 4: LATROBE, PENNSYLVANIA 15650

ATTORNEY DOCKET NUMBER:	P15-06113-US-NP
NAME OF SUBMITTER:	MATTHEW S. BEDSOLE
SIGNATURE:	/Matthew S. Bedsole/
DATE SIGNED:	02/09/2017

Total Attachments: 2

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PATENT 504220909 REEL: 041216 FRAME: 0196

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,

Brian LAVELY

of 2860

2860 Brick Road

Ebensburg, PA 15931

USA

Chad SWOPE

of

1071 Egolf Road

Bedford, PA 15522

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:

SMART CUTTING DRUM ASSEMBLY

☐ executed cor	currently herewith,
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filed on December 8, 2016 having Serial Number 15/373,212,

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.

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INVENTOR 1	
Signature:	Date:
Witnessed by: Signature	Date:
Printed Name of Witness Witnessed by Signature	Date:
Signature DUNAC	
INVENTOR 2	1/-/-
Signature: Chad Swope	Date:
Witnessed by: Signature	Date: 1/17/17
ROBBIE BLOOM Printed Name of Witness Witnessed by	Date:
Signature DUAUE G. CARSON IR. Printed Name of Witness	