PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Michael G. Morrison	01/23/2013
Jeremy Verellen	01/23/2013
Thomas J. Long II	01/23/2013

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:	13749799

CORRESPONDENCE DATA

Fax Number: 7245395903

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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-4118USUS1

NAME OF SUBMITTER: Stephen T. Belsheim

Total Attachments: 2

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> **PATENT REEL: 029691 FRAME: 0578**

DOCKET NUMBER: K-4118USUS!

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,

Michael G. Morrison of 154 Hockey Road, East Huntingdon. PA 15688 US 42 Greenview Drive, Jeannette, PA 15644 US Jeremy Verellen

of 403 Westland Drive, Greensburg, PA 15601

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 inverted and originated by me/us and described in the application for United States Patent currently entitled:

COOLANT SPRAY NOZZLE AND CUTTER WITH COOLANT SPRAY NOZZLE

Thomas J. Long 11

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.

PATENT REEL: 029691 FRAME: 0579

DOCKET NUMBER: K-4118USUS1

INVENTOR I	1/2-/12
Signature: Michael G. Morrison	Date: 1/23/13
Witnessed by: Band of Haffa	Date
BRAD HOLFER Printed Name of Witness	
Witnessed by: Best Montana	Date: 1-23-13
RAY MORRISON Printed Name of Wilness	
Signature: Any July	Date: 1-23-13
Witnessed by: Signature	Date: 01 - 23 - 2013
ADARSH COWCAR Printed Name of Witness	
Witnessed by: Butter output.	Date: /-23-/3
ROBERT J. LOUGHNEY. Printed Name of Witness	The.
Signature: Thomas J. Long II	Date: 1/2 3/13
Witnessed by:	Date: 01-23-2013
Witnessed by Signature Printed Name of Witness Printed Name of Witness	Date: 1/23/2013