

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Douglas E. Bise</td><td>06/19/2001</td></tr><tr><td>Phillip W. Haga</td><td>06/19/2001</td></tr></tbody></table>	Name	Execution Date	Douglas E. Bise	06/19/2001	Phillip W. Haga	06/19/2001	
Name	Execution Date						
Douglas E. Bise	06/19/2001						
Phillip W. Haga	06/19/2001						
RECEIVING PARTY DATA							
Name:	Kennametal Inc.						
Street Address:	1600 Technology Way, P. O. Box 231						
City:	Latrobe						
State/Country:	PENNSYLVANIA						
Postal Code:	15650-0231						
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>09888464</td></tr></tbody></table>	Property Type	Number	Application Number:	09888464			
Property Type	Number						
Application Number:	09888464						
CORRESPONDENCE DATA							
Fax Number:	(724)539-5903						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	724-539-3848						
Email:	matthew.smith@kennametal.com						
Correspondent Name:	Matthew W. Smith						
Address Line 1:	1600 Technology Way, P. O. Box 231						
Address Line 4:	Latrobe, PENNSYLVANIA 15650-0231						
NAME OF SUBMITTER:	Matthew W. Smith						
Total Attachments: 2 source=K1816 Assignment 2-19-05#page1.tif source=K1816 Assignment 2-19-05#page2.tif							

CH 09888464 \$40.00

ASSIGNMENT

Whereas, Douglas E. Bise, of 207 Crestwood Drive, Chilhowie, Virginia 24319, U. S. A., a citizen of the United States of America, has made application for Letters Patent of the United States, entitled MONOLITHIC ROOF BIT CUTTING BIT INSERT, said application having been executed

June 19, 2001

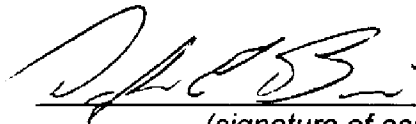
(month day year)

(serial number, if any)

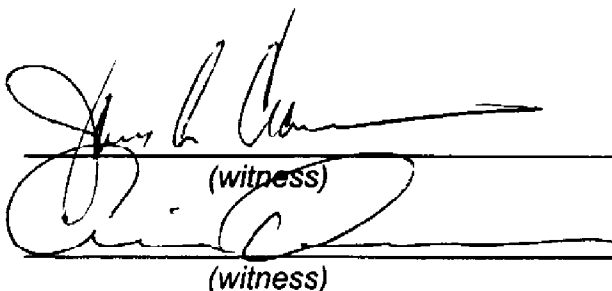

And Whereas, Kennametal Inc., a corporation of the Commonwealth of Pennsylvania, of P. O. Box 231, Latrobe, Pennsylvania 15650, is desirous of acquiring an interest in the same;

Now, therefore, in consideration of One (\$1.00) dollar, and other good and valuable consideration, the receipt of which is hereby acknowledged, he hereby assigns, sells, and sets over unto the said Kennametal Inc. its successors, assigns and legal representatives, the entire right, title and interest in and to said invention for the United States and their territories and all foreign countries, and in and to said Letters Patent, divisions, continuations, continuations-in-part, reissues and extensions thereof in the United States and all foreign countries (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), and hereby requests that said Letters Patent issue accordingly. For said consideration said Douglas E. Bise agrees for himself, and for his heirs, executors and administrators, to execute without further consideration all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to Kennametal Inc., or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said applications and securing patents thereon.

In Testimony Thereof, he executes this assignment this 19 day of June, 2001.



(signature of assignor)


(witness)

(witness)

ASSIGNMENT

Whereas, Phillip W. Haga, of 919 Wet Springs Road, Chilhowie, Virginia 24319, U. S. A., a citizen of the United States of America, has made application for Letters Patent of the United States, entitled MONOLITHIC ROOF BIT CUTTING BIT INSERT, said application having been executed

June 19, 2001

(month day year)

(serial number, if any)

And Whereas, Kennametal Inc., a corporation of the Commonwealth of Pennsylvania, of P. O. Box 231, Latrobe, Pennsylvania 15650, is desirous of acquiring an interest in the same;

Now, therefore, in consideration of One (\$1.00) dollar, and other good and valuable consideration, the receipt of which is hereby acknowledged, he hereby assigns, sells, and sets over unto the said Kennametal Inc. its successors, assigns and legal representatives, the entire right, title and interest in and to said invention for the United States and their territories and all foreign countries, and in and to said Letters Patent, divisions, continuations, continuations-in-part, reissues and extensions thereof in the United States and all foreign countries (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), and hereby requests that said Letters Patent issue accordingly. For said consideration said Phillip W. Haga agrees for himself, and for his heirs, executors and administrators, to execute without further consideration all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to Kennametal Inc., or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said applications and securing patents thereon.

In Testimony Thereof, he executes this assignment this 19 day of JUNE, 2001.

Phillip W. Haga
(signature of assignor)

[Signature]
(witness)
[Signature]
(witness)

PATENT