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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



101512326

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Curnie A. Dunn Phillip W. Haga
Ted R. Massa Douglas E. Bise
Gary J. Condon Stephen T. Belsheim
James E. Rutherford

Additional names(s) of conveying party(ies) Yes No

2. Name and address of receiving party(ies):
Name: **Kennametal Inc.**
Internal Address: **John J. Prizzi**
Phone: **724-539-5331**; Fax: **724-539-5903**

Street Address: **P. O. Box 231**
1600 Technology Way
City: **Latrobe** State: **PA** ZIP: **15650**

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: **9/5;9/11;8/31;9/7;8/31;9/5;&10/1/2000,**
respectively

4. Application number(s) or registration numbers(s):
If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)
09/591,644

10-12-00 Additional numbers attached? Yes No

B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **John J. Prizzi, Esq.**
Internal Address: **Phone: 724-539-5331**
Fax: 724-539-5903

Street Address: **Kennametal Inc.**
P. O. Box 231, 1600 Technology Way
City: **Latrobe** State: **PA** ZIP: **15650**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**
 Enclosed - Any excess or insufficiency should be credited or debited to deposit account
 Authorized to be charged to deposit account

8. Deposit account number:
11-0508

10/16/2000 BHABTEW 00000009 110508 09591644

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FC:581 40.00 CH

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John J. Prizzi

Name of Person Signing

Signature

October 10, 2000

Date

Total number of pages including cover sheet, attachments, and document:

9

ASSIGNMENT

Whereas, Curnie A. Dunn of 118 Independence Drive, Bristol, Virginia 24201, U. S. A., has made application for Letters Patent of the United States, entitled DRILL BIT, HARD MEMBER, AND BIT BODY, said application having been executed

September 5, 2000
(month day year)

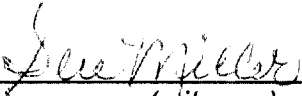
09/591,644, filed June 9, 2000
(serial number, if any)

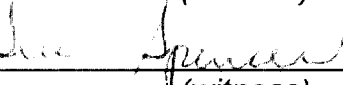
And Whereas, Kennametal Inc., a corporation of the Commonwealth of Pennsylvania of P.O. Box 231, Latrobe, Pennsylvania 15650 is desirous of acquiring an interest in the same;

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 Curnie A. Dunn 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 5^m day of Sept, 2000.


(signature of assignor)


(witness)


(witness)

ASSIGNMENT

Whereas, Phillip W. Haga of 919 Wet Springs Road, Chillhowie, Virginia 24319, U. S. A., has made application for Letters Patent of the United States, entitled DRILL BIT, HARD MEMBER, AND BIT BODY, said application having been executed

September 11, 2000
(month day year)

09/591,644, filed June 9, 2000;
(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 11 day of SEPTEMBER, 2000.

Phillip W Haga
(signature of assignor)

Sue Miller
(witness)

Sue Spencer
(witness)

ASSIGNMENT

Whereas, Douglas E. Bise of 207 Crestwood Drive, Chilhowie, Virginia 24319, U. S. A., has made application for Letters Patent of the United States, entitled DRILL BIT, HARD MEMBER, AND BIT BODY, said application having been executed

September 7, 2000

(month day year)

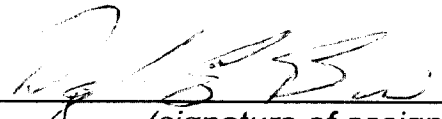
09/591,644, filed June 9, 2000;

(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 7TH day of SEPT, 2000



 (signature of assignor)



 (witness)



 (witness)

ASSIGNMENT

Whereas, Gary J. Condon of 104 Northumberland Drive, Irwin, Pennsylvania 15642, U. S. A., has made application for Letters Patent of the United States, entitled DRILL BIT, HARD MEMBER, AND BIT BODY, said application having been executed

August 29, 2000

(month day year)

09/591,644, filed June 9, 2000;

(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 Gary J. Condon 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 31 day of August, 2000.

Gary J. Condon
(signature of assignor)

Lynn A. Alton
(witness)

David R. Seidle
(witness)

ASSIGNMENT

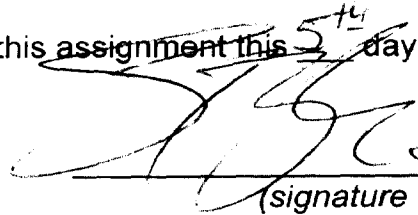
Whereas, Stephen T. Belsheim, of 440 Harpeth Meadows Drive, Kingston Springs, Tennessee 37082, U. S. A., has made application for Letters Patent of the United States, entitled DRILL BIT, HARD MEMBER, AND BIT BODY, said application having been executed

<u>September 5, 2000</u>	<u>09/591,644, filed June 9, 2000;</u>
<i>(month day year)</i>	<i>(serial number, if any)</i>

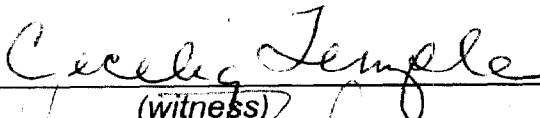
And Whereas, Kennametal Inc., a corporation of the Commonwealth of Pennsylvania of P.O. Box 231, Latrobe, Pennsylvania 15650 is desirous of acquiring an interest in the same;

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 Stephen T. Belsheim 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.

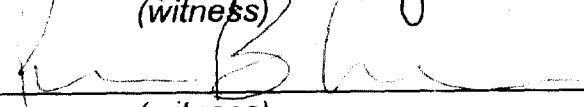
In Testimony Thereof, he executes this assignment this 5th day of September, 2000.



(signature of assignor)



(witness)



(witness)

ASSIGNMENT

Whereas, James E. Rutherford, of P. O. Box 997, Big Stone Gap, Virginia 24219, U. S. A., has made application for Letters Patent of the United States, entitled DRILL BIT, HARD MEMBER, AND BIT BODY, said application having been executed

October 1, 2000

09/591,644, filed June 9, 2000;

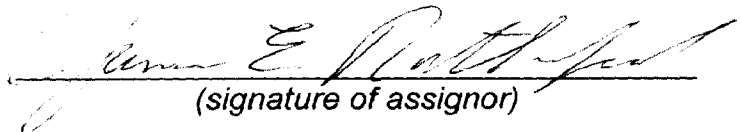
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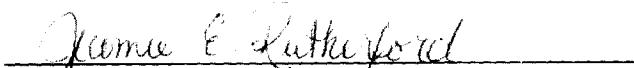
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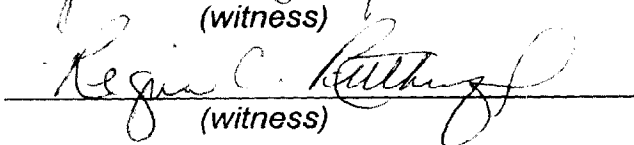
And Whereas, Kennametal Inc., a corporation of the Commonwealth of Pennsylvania of P.O. Box 231, Latrobe, Pennsylvania 15650 is desirous of acquiring an interest in the same;

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 James E. Rutherford, 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 1 day of Oct, 2000


(signature of assignor)


(witness)


(witness)