

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Brian D. Hoefler</td><td>07/20/2004</td></tr><tr><td>Stephen J. Shubert</td><td>08/25/2004</td></tr><tr><td>Ruy Frota de Souza Filh</td><td>07/26/2004</td></tr><tr><td>Scott W. Lebo</td><td>07/26/2004</td></tr><tr><td>Ronald L. Dudzinsky</td><td>07/20/2004</td></tr></tbody></table>	Name	Execution Date	Brian D. Hoefler	07/20/2004	Stephen J. Shubert	08/25/2004	Ruy Frota de Souza Filh	07/26/2004	Scott W. Lebo	07/26/2004	Ronald L. Dudzinsky	07/20/2004	
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Ruy Frota de Souza Filh	07/26/2004												
Scott W. Lebo	07/26/2004												
Ronald L. Dudzinsky	07/20/2004												
RECEIVING PARTY DATA													
Name:	Kennametal Inc.												
Street Address:	1600 Technology Way, P. O. Box 231												
Internal Address:	Kennametal Inc.												
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>10827898</td></tr></tbody></table>	Property Type	Number	Application Number:	10827898									
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Application Number:	10827898												
CORRESPONDENCE DATA													
Fax Number:	(724)539-5903												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	724-539-5485												
Email:	larry.meenan@kennametal.com												
Correspondent Name:	Larry R. Meenan												
Address Line 1:	1600 Technology Way, P. O. Box 231												
Address Line 2:	Kennametal Inc.												
Address Line 4:	Latrobe, PENNSYLVANIA 15650-0231												
NAME OF SUBMITTER:	Larry R. Meenan												

CH \$40.00 10827898

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PATENT
REEL: 015042 FRAME: 0281

Total Attachments: 5

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PATENT

REEL: 015042 FRAME: 0282

ASSIGNMENT

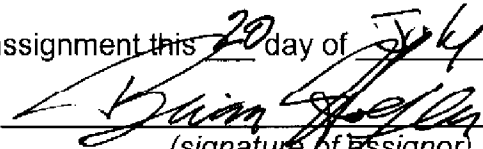
Whereas, Brian D. Hoefler, of 243 Murdock Way, Greensburg, Pennsylvania 15601, U.S.A., a citizen of the United States, has made application for Letters Patent of the United States, entitled **TOOLHOLDER AND CUTTING INSERT USED THEREIN**, said application having been executed

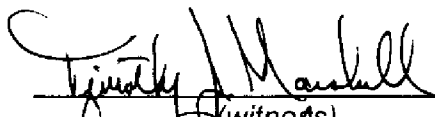
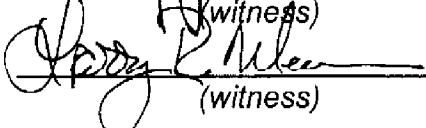
July 20, 200410/827,898, filed April 20, 2004 ;*(month day year)**(serial number, if any)*

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 Brian D. Hoefler 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 Whereof, he executes this assignment this 20 day of July, 2004.


(signature of assignor)


(witness)

(witness)

ASSIGNMENT

Whereas, Stephen J. Shubert, of 619 Schuyler Street, Marshall, Michigan 49068, U.S.A., a citizen of the United States, has made application for Letters Patent of the United States, entitled **TOOLHOLDER AND CUTTING INSERT USED THEREIN**, said application having been executed

August 25, 200410/827,898, filed April 20, 2004 ;*(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 Stephen J. Shubert 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 25 day of August, 2004.

Stephen J. Shubert
(signature of assignor)

Deborah Shubert
(witness)

Joyce A. England
(witness)

Whereas, Ruy Frota de Souza, Filho, of 213 North Shenandoah Drive, Latrobe,
Pennsylvania 15650, U.S.A., a citizen of Brazil, has made application for Letters Patent of the
United States, entitled **TOOLHOLDER AND CUTTING INSERT USED THEREIN**, said
application having been executed

10/827,898, filed April 20, 2004 _____;

(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 Ruy Frota de Souza, Filho 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 26 day of July, 2004.


(signature of assignor)

Roberta E. Penick
(witness)

(witness)

ASSIGNMENT

Whereas, Scott W. Lebo, of 818 White City Road, Ligonier, Pennsylvania 15658, U.S.A., a citizen of the United States, has made application for Letters Patent of the United States, entitled **TOOLHOLDER AND CUTTING INSERT USED THEREIN**, said application having been executed

July 26, 200410/827,898, filed April 20, 2004 :*(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 Scott W. Lebo 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 27 day of July, 2004.

[Signature]
(signature of assignor)

[Signature]
(witness)

[Signature]
(witness)

ASSIGNMENT

Whereas, Ronald L. Dudzinsky, of 507 Traction Avenue, Derry, Pennsylvania 15627, U.S.A., a citizen of the United States, has made application for Letters Patent of the United States, entitled **TOOLHOLDER AND CUTTING INSERT USED THEREIN**, said application having been executed

July 20, 2004*(month day year)*10/827,898, filed April 20, 2004;*(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 Ronald L. Dudzinsky 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 20th day of JULY, 2004.

Ronald L. Dudzinsky
(signature of assignor)

Karen A. Craig
(witness)

[Signature]
(witness)

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