

PATENT ASSIGNMENT

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KENNAMETAL PC INC.	09/10/2008

RECEIVING PARTY DATA

Name:	KENNAMETAL INC.
Street Address:	P.O. Box 231
Internal Address:	1600 Technology Way
City:	Latrobe
State/Country:	PENNSYLVANIA
Postal Code:	15650-0231

PROPERTY NUMBERS Total: 235

Property Type	Number
Patent Number:	4917196
Patent Number:	4922754
Patent Number:	4928373
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Patent Number:	4836614
Patent Number:	4903609

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ATTORNEY DOCKET NUMBER:	KENNAMETAL PC TO INC
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NAME OF SUBMITTER:	Matthew W. Gordon
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## PATENT ASSIGNMENT

For value received, Kennametal PC Inc., a corporation of the State of California, having a place of business at 1323 South Shamrock Avenue, Monrovia, California 91016, hereinbelow called "Assignor", hereby sells, assigns and transfers to Kennametal Inc., a corporation of the Commonwealth of Pennsylvania, having a place of business at P. O. Box 231, 1600 Technology Way, Latrobe, Pennsylvania 15650-0231, hereinbelow called "Assignee", and its successors, assigns and legal representatives, the entire right, title and interest, including the right to sue and recover for all past infringements, that we now own jointly or individually, in and to certain Letters Patent of the United States, listed below:

Patent Number	Grant Date	Title	Docket Number
D347,012	05/17/1994	Chip Control Insert	K-1101
D347,232	05/24/1994	Tip with Lobes	K-1123
D352,511	11/15/1994	Cutting Tool Insert	K-1070
D353,095	12/06/1994	Insert Package	K-1119
D357,693	04/25/1995	Cutting Tool Insert	K-1182
D359,057	06/06/1995	Cutting Tool Insert	K-1183
D359,969	07/04/1995	Cutting Tool Insert	K-1187
D363,727	10/31/1995	Cutting Tool Insert	K-1177
D412,335	07/27/1999	Cutting Tool Insert	K-1513
D413,612	09/07/1999	Cutting Tool Inserts	KH-1413
D413,908	09/14/1999	Cutting Tool Insert	K-1514A
D414,502	09/28/1999	Cutting Tool Insert	K-1515
D415,179	10/12/1999	Cutting Tool Inserts	KH-1413
D423,024	04/18/2000	Cutting Insert	KH-1568
D424,074	05/02/2000	Cutting Tool Insert	K-1517
D426,561	06/13/2000	Cutting Tool Insert	K-1580
D426,562	06/13/2000	Cutting Tool Insert	K-1579
D426,839	06/20/2000	Cutting Tool Insert	K-1577
D427,215	06/27/2000	Cutting Tool Insert	K-1578
D429,261	08/08/2000	Cutting Insert	KH-1567
D430,178	08/29/2000	Cutting Insert	KH-1567
D431,579	10/03/2000	Cutting Insert	KH-1568
D432,147	10/17/2000	Cutting Tool Insert	K-1584
D434,051	11/21/2000	Cutting Tool Insert	K-1518
DRE37,149	05/01/2001	Cutting Tool Inserts	KH-1413
4,817,742	04/04/1989	Butterfly-Type Shim Having Perforations in Mid-Section	K-0880A
4,836,614	06/06/1989	Retainer Scheme for Machine Bit	KG-1602
4,903,609	02/27/1990	Improved Tamping Blade with Improved Inserts	K-0938
4,917,196	04/17/1990	An Excavation Tooth for an Earth Auger	K-0979
4,922,754	05/08/1990	Acoustic Emission Transducer and Mounting Adapter	K-0782
4,928,373	05/29/1990	Collet Tool	K-0977

Patent Number	Grant Date	Title	Docket Number
4,932,295	06/12/1990	Automatic Clamping Unit for Receiving and Holding a Tool Holder	K-0923
4,938,639	07/03/1990	Improved Combination Tool Holder	K-0945
4,917,196	04/17/1990	An Excavation Tooth for an Earth Auger	K-0979
4,922,754	05/08/1990	Acoustic Emission Transducer and Mounting Adapter	K-0782
4,928,373	05/29/1990	Collet Tool	K-0977
4,932,295	06/12/1990	Automatic Clamping Unit for Receiving and Holding a Tool Holder	K-0923
4,938,639	07/03/1990	Improved Combination Tool Holder	K-0945
4,946,319	08/07/1990	Cutting Insert and Clamping Arrangement Therefor	K-0927
4,955,264	09/11/1990	Tool Assembly with a Hydraulic Chip-Breaking Fluid System	K-0936
4,957,396	09/18/1990	Cutting Insert with Chip Control	K-0928
4,959,331	09/25/1990	Alumina-Zirconia-Silicon Carbide Magnesia Cutting Tools	K-0933X
4,959,332	09/25/1990	Alumina-Zirconia-Carbide Whisker Reinforced Cutting Tools	K-0934
4,981,328	01/01/1991	Rotatable Cutting Tool	K-0974
4,984,940	01/15/1991	Multilayer Coated Cemented Carbide Cutting Insert	K-0967
4,993,893	02/19/1991	Cutting Insert with Chip Control	K-0970
4,998,574	03/12/1991	Cutting Block and Block Mount	K-0991
5,001,823	03/26/1991	Collet Tool	K-0977D
5,005,622	04/09/1991	Block and Locking Mechanism for a Stump Grinding Cutter Bit	K-0954
5,007,685	04/16/1991	Trenching Tool Assembly with Dual Indexing Capability	K-0920
5,015,003	05/14/1991	Chuck Jaw Apparatus	K-0919
5,024,976	06/18/1990	Alumina-Zirconia-Silicon Carbide-Magnesia Ceramic Cutting Tools	K-0933YC
5,030,048	07/09/1991	Expandable Tool Holding Device Using a Fusible Alloy	K-1010
5,040,932	08/20/1991	Locator Mechanism for a Tool Holder Assembly	K-0969
5,054,344	10/08/1991	Quick Change Clamping Mechanism	K-1009
5,059,564	10/22/1991	Alumina-Titanium-Carbide-Silicon Carbide Composition	K-0876
5,066,546	11/19/1991	Wear-Resistant Steel Castings	K-0960
5,074,723	12/24/1991	Method and Apparatus for Balancing a Rotary Tool Assembly	K-0968
5,082,401	01/21/1992	Cutting Insert for Light Feed Rate	K-1017
5,090,280	02/25/1992	Tool Holder Assembly with Angular Adjustment Mechanism	K-0976
5,094,923	03/10/1992	Air Hardening Steel	K-0964
5,096,689	03/17/1992	Process for Producing Tungsten Monocarbide	K-0952C

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5,100,269	03/31/1992	Cutting Insert and Clamping Arrangement Therefor	K-0927D
5,102,268	04/07/1992	Fine Adjustment Mechanism for a Toolholder	K-0978
5,109,706	05/05/1992	Tightening Fixture with Built in Torque Readout Device	K-1000
5,116,167	05/26/1992	Cutting Insert with Chip Control	K-1015
5,118,229	06/02/1992	Activation Mechanism for Transmitting Motion to an Off-Axis	K-1076
5,122,017	06/16/1992	Cutting Insert with Chip Control	K-1016
5,127,780	07/07/1992	Expandable Tool Holding Device Using a Fusible Alloy	K-1010P
5,131,725	07/21/1992	Rotatable Cutting Tool	K-1006
5,159,985	11/03/1992	Agricultural Insert	K-1027
5,167,478	12/01/1992	Tool Holder with Radial Tool Change Mechanism	K-0957
5,172,775	12/22/1992	Rotary Drill Bit Insert	K-1052
5,184,689	02/09/1993	Radial Cut Drill Bit Insert	K-1035
5,184,925	02/09/1993	Insert and Insert Support Bar	K-1085A
5,219,209	06/15/1993	Rotatable Cutting Bit	K-1128
5,226,489	07/13/1993	Insert Spacer Assembly	K-1085
5,263,995	11/23/1993	Improved Apparatus and Method for Balancing a Rotary Tool	K-1122
5,264,297	11/23/1993	Physical Vapor Deposition of Titanium Nitride on a Nonconductive	K-0980
5,273,343	12/28/1993	Non-Rotatable Sleeve for a Cutting Tool Bit Holder	KG-1589
5,279,194	01/18/1994	Ball Lock Assembly without a Canister	K-1066
5,279,902	01/18/1994	Air Hardening Steel	K-0964
5,292,213	03/08/1994	Coupling Device for High-Speed Rotation	K-1097
5,303,984	04/19/1994	Cutting Bit Holder Sleeve with Retaining Flange	KG-1588
5,310,009	05/10/1994	Agricultural Insert	K-1027
5,310,015	05/10/1994	Insert Spacer Assembly	K-1085
5,310,292	05/10/1994	Linear Roller Tap Driver Assembly	K-1131
5,311,959	05/17/1994	Mine Tool Roof Bit Insert	KG-1496
5,324,098	06/28/1994	Cutting Tool Having Hard Tip with Lobes	K-1123
5,325,799	07/05/1994	Seed Boot Insert	K-1134
5,325,931	07/05/1994	Chuck Assembly for a Drill Box of a Mine Drill	K-1081
5,328,763	07/12/1994	Spray Powder for Hardfacing and Part with Hardfacing	K-1109
5,330,055	07/19/1994	Package Assembly for Separately Packing, Displaying	K-1119
5,370,716	12/06/1994	High Z Sialon and Cutting Tools Made Therefrom and Method	K-1133
5,374,111	12/20/1994	Extraction Undercut for Flanged Bits	K-1115
5,382,273	01/17/1995	Silicon Nitride Ceramic and Cutting Tool Made Thereof	K-1148

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5,383,673	01/24/1995	Collet for a Square Shank Tap	K-1176
5,388,932	02/14/1995	Cutting Insert for a Milling Cutter	K-1180
5,400,861	03/28/1995	Rotatable Cutting Bit Assembly	K-1204
5,415,462	05/16/1995	Rotatable Cutting Bit and Bit Holder	K-1198
5,427,987	06/27/1995	Group IVB Boride Based Cutting Tools for Machining Group IVB	K-1154
5,429,016	07/04/1995	Agricultural Disc Blade	K-1082
5,429,199	07/04/1995	Cutting Bit and Cutting Insert	K-1130
5,452,631	09/26/1995	An Apparatus for Holding a Toolholder Shank	K-1196
5,460,388	10/24/1995	Endmill Adapter with Torque Reducing Locknut and Collet	K-1149
5,466,102	11/14/1995	System for Coupling Machine Tools	K-1132
5,467,837	11/21/1995	Rotary Drill Bit	K-1166
5,482,417	01/09/1996	Cam and Wedge-Type Self-Locking Mechanism	K-1135
5,522,605	06/04/1996	Collet Chuck Having Parallel Force Load Bearing	K-1169
5,525,134	06/11/1996	Silicon Nitride Ceramic and Cutting Tool Made Thereof	K-1148
5,538,367	07/23/1996	Improved Metal Cutting Tool Assembly Having an Automatically	K-1118
5,541,006	07/30/1996	Method of Making Composite Articles and the Articles	K-1143
5,542,794	08/06/1996	Multi-Handed Milling Cutter Having Indexable Wedges	K-1206
5,542,795	08/06/1996	Plunge and Face Milling Cutter with Universal Insert Seats	K-1151
5,580,836	12/03/1996	Group IVB Boride Based Cutting Tools for Machining Group IVB	K-1154
5,585,176	12/17/1996	Diamond Coated Tools and Process for Making	K-1107
5,589,268	12/31/1996	Matrix for a Hard Composite	K-1153A
5,603,075	02/11/1997	Corrosion Resistant Cermet Wear Parts	K-1142
5,607,206	03/04/1997	Cutting Tool Holder Retention System	K-1226
5,613,693	03/25/1997	Toolholder Assembly for Accurately Securing a Tool Shank	K-1276
5,628,549	05/13/1997	Cutting Tool Sleeve Rotation Limitation System	K-1308
5,632,941	05/27/1997	Group IVB Boride Based Cutting Tools for Machining Group IVB	K-1154
5,648,119	07/15/1993	Diamond Coated Tools and Process for Making	K-1107
5,655,860	08/12/1997	Milling Cutter and Method of Milling	K-1272
5,658,678	08/19/1997	Corrosion Resistant Cermet Wear Parts	K-1142
5,672,031	09/30/1997	Milling Cutter and Method of Milling	K-1272
5,677,042	10/14/1997	Composite Cermet Articles and Method of Making	K-1194
5,679,445	10/21/1997	Composite Cermet Articles and Method of Making	K-1194

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5,686,119	11/11/1997	Composite Cermet Articles and Method of Making	K-1214
5,690,393	11/25/1997	Cutting Tool Retention System	K-1327
5,694,820	12/09/1997	Tool Unit Clamping Apparatus Having Improved Short Stroke	K-1232
5,697,042	12/09/1997	Composite Cermet Articles and Method of Making	K-1194
5,697,046	12/09/1997	Composite Cermet Articles and Method of Making	K-1143
5,697,308	12/16/1997	Seed Boot	K-1261
5,701,578	12/23/1997	Method for Making a Diamond-Coated Member	K-1329
5,704,734	01/06/1998	Improved Metal Cutting Tool Assembly Having an Automatically	K-1118
5,704,737	01/06/1998	Cutting Insert with Chip Control	K-1227
5,709,587	01/20/1998	Method and Apparatus for Honing an Elongate Rotary Tool	K-1292
5,709,907	01/20/1998	Cutting Tool and Method of Making the Cutting Tool	K-1258
5,718,541	02/17/1998	Cutting Tool for Machining Titanium and Titanium Alloys	K-1257
5,720,528	02/24/1998	Rotatable Cutting Toolholder Assembly	K-1365
5,722,803	03/03/1998	Cutting Tool and Method of Making the Cutting Tool	K-1258
5,722,806	03/03/1998	System for Coupling Machine Tools	K-1132
5,733,649	03/31/1998	Matrix for a Hard Composite	K-1153A
5,733,664	03/31/1998	Matrix for a Hard Composite	K-1153A
5,750,247	05/12/1998	Coated Cutting Tool Having an Outer Layer of Titanium Carbide	K-1278
5,762,538	06/09/1998	Method and Apparatus for Honing an Elongate Rotary Tool	K-1292
5,769,505	06/23/1998	Cutting Tool Holder Retention System	K-1226
5,776,593	07/07/1998	Composite Cermet Articles and Method of Making	K-1194
5,789,686	08/04/1998	Composite Cermet Articles and Method of Making	K-1214
5,791,833	08/11/1998	Cutting Insert Having a Chipbreaker for Thin Chips	K-1112
5,792,403	08/11/1999	Composite Cermet Articles and Method of Making	K-1214
5,802,955	09/08/1998	Corrosion Resistant Cermet Wear Parts	K-1142
5,806,934	09/15/1998	Composite Cermet Articles and Method of Making	K-1194
5,810,519	09/22/1998	Helical Cutting Insert with Offset Cutting Edges	K-1235
5,813,474	09/29/1998	Plow Blade	K-1317
5,829,924	11/03/1998	Cutting Tool Insert with Clamping Mechanism	K-1138

Patent Number	Grant Date	Title	Docket Number
5,833,017	11/10/1998	A Cutting Bit Assembly for Impinging an Earth Strata	K-1342
5,851,093	12/22/1998	Improved Coupling System for Machine Tools	K-1396
5,858,181	01/12/1999	Physical Vapor Deposition of Titanium Nitride on a Nonconductive	K-0980
5,858,218	01/12/1999	Machine Tool Coolant Reclamation Device	K-1377
5,870,935	02/16/1999	Tool Unit Clamping Apparatus Having a Locking Mechanism	K-1231
5,879,823	03/09/1999	Coated Cutting Tool	K-1218
5,911,421	06/15/1999	Sealed Collet Having Improved Radial Flexibility	K-1350
5,913,643	06/22/1999	Adjustable Lead Angle Chamfering Toolholder	K-1333
5,913,644	06/22/1999	Helical Mill Having Multiple Flutes with Differing Rake Angles	K-1447
5,921,724	07/13/1999	Insert and Toolholder for Machining Operations	K-1116
5,927,168	07/27/1999	Tool Unit Clamping Apparatus Having Improved Short Stroke	K-1232
5,934,842	08/10/1999	High-Speed Milling Cutter with Stress Equilibrating Arms	K-1357
5,944,456	08/31/1999	Three Dimensional Mill and Milling Inserts	K-1414
5,944,462	08/31/1999	Hole Making Tool with Ability to Chamfer Exit and Entrance	K-1401
5,948,541	09/07/1999	Boron and Nitrogen Containing Coating and Method of Making	K-1213
5,955,186	09/21/1999	Coated Cutting Insert with a C Porosity Substrate	K-1315
5,955,390	09/21/1999	Whisker Reinforced Ceramic Cutting Tool and Composition	K-1268
5,967,706	10/19/1999	High Speed Milling Cutter	K-1426
5,967,712	10/19/1999	Cutting Tool for Machining Bores in Material	K-1459
5,976,707	11/02/1999	Cutting Insert and Method of Making the Same	K-1314
5,976,716	11/02/1999	Substrate with a Superhard Coating Containing Boron and Nitrogen	K-1281
5,984,593	11/16/1999	Cutting Insert for Milling Titanium and Titanium Alloys	K-1354
5,992,546	11/30/1999	Rotary Earth Strata Penetrating Tool with a Cermet Insert	K-1388X
6,000,306	12/14/1999	Side Activated Tool Unit Clamping Apparatus Using Mechanical	K-1471
6,000,885	12/14/1999	Convertible Top Notch	K-1297
6,010,283	01/04/2000	A Cutting Insert of a Cermet Having a Co-Ni-Fe-Binder	K-1388Y
6,022,175	02/08/2000	An Elongate Rotary Tool Comprising a Cermet Having a Co-Ni-Fe Binder	K-1388Z
6,024,143	02/15/2000	Cutting Tool Assembly	K-1487
6,024,776	02/15/2000	A Cermet Having a Binder with Improved Plasticity	K-1388

Patent Number	Grant Date	Title	Docket Number
6,044,920	04/04/2000	Rotatable Cutting Bit Assembly with Cutting Inserts	K-1382P
6,050,752	04/18/2000	Milling Insert	K-1455
6,054,185	04/25/2000	Substrate with a Superhard Coating Containing Boron and Nitrogen	K-1281
6,056,484	05/02/2000	Device and Method for Adjusting the Position of Cutting Inserts	K-1423
6,056,485	05/02/2000	Ramp, Plunge and Feed Milling Cutter	K-1453
6,059,373	05/09/2000	Pick Holder Extraction	KS-1296
6,065,907	05/23/2000	Cutting Insert with Chip Control	K-1512
6,070,945	06/06/2000	Cutting Tool Retainer	K-1435
6,086,959	07/11/2000	Boron and Nitrogen Containing Coating and Method of Making	K-1213
6,095,907	08/01/2000	Reciprocating Assembly for Abrading a Workpiece	K-1442X
6,096,436	08/01/2000	Boron and Nitrogen Containing Coating and Method of Making	K-1213
6,099,209	08/08/2000	Cutting Tool and Method for Producing and Cutting	K-1420
6,109,377	08/29/2000	Rotatable Cutting Bit Assembly with Cutting Inserts	K-1382
6,117,533	09/12/2000	Substrate with a Superhard Coating Containing Boron and Nitrogen	K-1281
6,123,488	09/26/2000	Cutting Insert with Universal Identification	K-1497
6,142,485	11/7/2000	Chuck For Rotary Tools	KH-1372
6,145,606	11/14/2000	Cutting Insert For Roof Drill Bit	K-1510
6,146,697	11/14/2000	Improved MT CVD Process	K-1524
6,161,990	12/19/2000	Cutting Insert With Improved Flank Surface Roughness And Method Of Making The Same	K-1428
6,173,798	1/16/2001	A Tungsten Carbide Nickel-Chromium Alloy Hard Member And Tools Using The Same	K-1394
6,176,552	1/23/2001	Cutting Bit Support Member With Undercut Flange For Removal	K-1463
6,186,704	2/13/2001	Toolholder With Detachable Blade	K-1500
6,196,094	3/6/2001	Tool Unit Clamping Apparatus Having A Locking Mechanism With Increased Gripping Force	K-1231
6,217,992	4/17/2001	A Coated Cutting Insert With A C Porosity Substrate Having Non-Stratified Surface Binder Enrichment	K-1315
6,220,671	4/24/2001	Cutting Tool Holder Retention System	K-1494X
6,234,579	5/22/2001	Cutting Tool Holder Retention Assembly	K-1494
6,238,133	5/29/2001	Anti-Rotation Mounting Mechanism For Round Cutting Insert	K-1356

Patent Number	Grant Date	Title	Docket Number
6,244,665	6/12/2001	Cutting Toolholder With Recessed Groove For Cutting Tool Removal	K-1473
6,247,759	6/19/2001	Cutting Tool Assembly With Replaceable Spray Nozzle	K-1559
6,260,638	7/17/2001	Rotatable Cutting Bit Assembly With Wedge-Lock Retention Assembly	K-1313
6,270,293	8/7/2001	Toolholder Assembly	K-1452
6,287,682	9/11/2001	Diamond Coated Tools And Process For Making	K-1107C
6,293,738	9/25/2001	Thread Cutting Bit	KH-1408
6,309,149	10/30/2001	Twist Drill for Dry Drilling	KH-1407
6,331,035	12/18/2001	Cutting Toolholder Assembly	K-1482
6,344,149	2/5/2002	Polycrystalline Diamond Member And Method Of Making The Same	K-1430
6,367,567	4/9/2002	Lockable Drill Steel And Chuck Assembly	K-1433
6,371,702	4/16/2002	Spade Blade Drill and Method of Making	KG-1616
6,374,712	4/23/2002	Cutting Insert for Crankshaft Machining/Milling	KH-1409
6,386,641	05/14/2002	WELD JOINT DESIGN FOR CORNERS	K-1544P
6,415,696	7/9/2002	Toolholder Assembly	K-1484
6,425,805	07/30/2002	Superhard Material Article of Manufacture	K-1481P
6,436,204	8/20/2002	Diamond Coated Cutting Tools And Method Of Manufacture	K-1363
6,464,433	10/15/2002	Elongate Support Member And Method Of Making The Same	K-1404
6,471,734	10/29/2002	Ceramic And Process For The Continous Sintering Thereof	K-1437
6,478,383	11/12/2002	Rotatable Cutting Tool-Tool Holder Assembly	K-1560
6,521,353	2/18/2003	Low Thermal Conductivity Hard Metal For Pelletizing Dies	KG-1493
6,593,015	7/15/2003	Tool With A Hard Coating Containing An Aluminum-Nitrogen Compound And A Boron-Nitrogen Compound And Method Of Making The Same	K-1395
6,599,062	07/29/2003	Coated PcBN Cutting Inserts	K-1543P
6,610,113	8/26/2003	Process for Heat Treating Ceramics and Articles of Manufacture Made Thereby	K-1436P
6,737,010	05/18/2004	Process for Heat Treating Ceramics and Articles of Manufacture Made Thereby	K-1436PD
6,790,497	09/14/2004	Superhard Material Article of Manufacture	K-1481D2
6,924,454	08/02/2005	Superhard Material Article of Manufacture	K-1481D3
7,357,697	04/15/2008	Superhard Material Article of Manufacture	K-1481D1



Assignor agrees that when requested, Assignor will, without charge to said Assignee, but at its expense, sign all papers, including applications for reissue patents, take all rightful oaths, including reissue oaths, and generally do all acts that may be necessary, desirable or convenient, in the opinion of said Assignee, for securing and maintaining Letters Patent for the inventions disclosed or claimed in the above identified patents, and also for securing and maintaining divisions, extensions and reissues of said applications, and the Letters Patents that may issue on said applications for Letters Patents, and for vesting title thereto in said Assignee, its successors, assigns, legal representatives, or nominees.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrances, and that we have full right to convey the same as herein expressed.

This Assignment is executed at this 10th day of September, 2008.

Kennametal PC Inc.

By Kevin G. Nowe

Kevin G. Nowe

Assistant General Counsel and Assistant Secretary

(Corporate Seal)

COMMONWEALTH OF PENNSYLVANIA )

)ss:

COUNTY OF WESTMORELAND )

On this 10th day of September, 2008, before me personally came Kevin G. Nowe, to me known and known to be to be the person who executed the foregoing instrument, and who being by me duly sworn, did depose and say that he is Assistant General Counsel and Assistant Secretary of Kennametal PC Inc., the company described in and on whose behalf was executed the foregoing instrument; that he knows the corporate seal of the said company; that the seal affixed to said instrument is such corporate seal and has been properly affixed in accordance with the charter, bylaws and regulations of said company; and that he signed his name thereto on behalf of and with the authorization of the Board of Directors of said company as the free deed and act of said company.

Jacqueline L. Zitt  
Notary Public

(SEAL)

COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Jacqueline L. Zitt, Notary Public  
Unity Twp., Westmoreland County  
My Commission Expires Jan. 8, 2012  
Member, Pennsylvania Association of Notaries

APPOINTMENT OF DOMESTIC REPRESENTATIVE

Kennametal Inc., a corporation of the Commonwealth of Pennsylvania, having a place of business at P. O. Box 231, 1600 Technology Way, Latrobe, Pennsylvania 15650-0231, hereby appoints Larry R. Meenan, Esq., Matthew W. Smith, Esq. and Matthew W. Gordon, Esq., attorneys at law, whose address is Kennametal Inc., P. O. Box 231, 1600 Technology Way, Latrobe, Pennsylvania 15650-0231, to transact all business in the United States Patent and Trademark Office in connection with the above assigned patents, and as their domestic representative upon whom may be served notices or process in proceedings affecting the patents.

Kennametal Inc.

By Kevin G. Nowe  
Kevin G. Nowe  
Assistant General Counsel and Assistant Secretary

Date: 09/10/08

(Corporate Seal)

Kennametal PC Inc.

By Kevin G. Nowe  
Kevin G. Nowe

Assistant General Counsel and Assistant Secretary  
Date: 09/10/08

(Corporate Seal)