MRD 5-18-98 06-1	0-1998
FORM PTO-1595 (Modified)	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
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To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.
1. Name of conveying party (es)	2. Name and address of receiving party(ies):
Ralph D. Shirley	Name: Kennametal Inc.
	Internal Address: Mr. John M. Vasuta
Additional names(s) of conveying party(iee)	Phone: 724-539-5838
3. Nature of conveyance:	Fax: 724-539-5903
🛛 Assignment 🗌 Merger	Street Address: P. O. Box 231
Security Agreement Change of Name	
□ Other	City: Latrobe State: PA ZIP: 15650
Execution Date: April 17, 1998	Additional name(s) & address(es) attached? 🔲 Yes 🛛 No
08/985,483 06/10/1998 JSHNBAZZ 00000036 110508 08985483 Sale Ref: 0000088 DAY: 110508 08985483	hed? 🗋 Yes 🔀 No
5. Name and add the party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Mr. John M. Vasuta	7. Total fee (37 CFR 3.41):\$ 40.00
Internal Address:	
Phone: 724-539-5838	
Fax: 724-539-5903	Authorized to be charged to deposit account
Street Address: Kennametal Inc.	8. Deposit account number:
P. O. Box 231	11-0508
City: Latrobe State: PA ZIP: 15650	
DO NOT USE THIS SPACE	
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 M. Vasuta	
Name of Person Signing Total number of pages including cover si	Signature PATENT2 Date

ASSIGNMENT

Whereas, Ralph D. Shirley, of R. D. #3, Box 46A, Saltsburg, Pennsylvania 15681, U.S.A., a citizen of the United States of America, has made application for Letters Patent of the United States, entitled A THREE DIMENSIONAL MILL AND MILLING INSERTS, said application having been executed

April 17, 1998	08/985,483, filed December 4, 1997;
(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 Ralph D. Shirley 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 // day of May ..., 1998.

Kalph DShisley (signature of assignor)

RECORDED: 05/18/1998