

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
X. Daniel Fang	08/05/2011
Frederick John Palmer	08/03/2011
Jean-Luc Dufour	08/05/2011
David J. Wills	08/05/2011
RECEIVING PARTY DATA	
Name:	TDY Industries, Inc.
Street Address:	1000 Six PPG Place
City:	Pittsburgh
State/Country:	PENNSYLVANIA
Postal Code:	15222
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13206558
CORRESPONDENCE DATA	
Fax Number:	(412)394-3010
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Patrick J. Viccaro
Address Line 1:	1000 Six PPG Place
Address Line 4:	Pittsburgh, PENNSYLVANIA 15222
ATTORNEY DOCKET NUMBER:	TMP-2200
NAME OF SUBMITTER:	Patrick J. Viccaro, Reg. No. 27842
Total Attachments: 2 source=2200#page1.tif source=2200#page2.tif	

CH \$40.00 13206558

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**PATENT**  
**REEL: 027077 FRAME: 0768**

Attorney's Docket No. TMP-2200/110151

**PATENT**

For: ☒ U.S. and/or ☒ Foreign Rights  
For: ☒ U.S. Application or  
☐ U.S. Provisional Application  
For: ☐ U.S. Patent  
For: ☐ PCT Application  
By: Multiple Inventors

**ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNORS (Inventors):**

X. Daniel Fang  
(type or print name of inventors)

9507 Coronet Lane  
Brentwood, TN 37027 US  
Address Nationality

Frederick John Palmer  
(type or print name of inventors)

20 Abbeyfields Dr  
Warwickshire B80 7BF GB  
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Jean-Luc Dufour  
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103 Niblick Court  
Franklin, TN 37064 FR  
Address Nationality

David J. Wills  
(type or print name of inventors)

1416 Chantilly Lane  
Franklin, TN 37067 GB  
Address Nationality

hereby sells, assigns and transfers to

**ASSIGNEE:**

TDY Industries, Inc.  
(type or print name of ASSIGNEE)

1000 Six PPG Place  
Address

(a California corporation)  
Nationality

Pittsburgh, PA 15222 USA

and the successors, assigns and legal representatives of the ASSIGNEE

☒ the entire right, title and interest

☒ and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

**Cutting Inserts and Cutting Tool Systems Having Sinusoidal and Helical Cutting Edges**

**PATENT**

**REEL: 027077 FRAME: 0769**

☒ and which is found in U.S. Application No.: 13/206,558 filed on AUGUST 10, 2011

☒ To comply with 37 CFR 3.21 for recordal of this assignment, I, the ASSIGNOR signing below, hereby authorize and request my attorney to insert the filing date and application number when they become known.

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal on the date(s) indicated below:

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

X. Daniel Fang  
(type name of Inventor)

[Signature] Aug. 5, 2011  
Signature of INVENTOR Date

Frederick John Palmer  
(type name of Inventor)

[Signature] 3rd August 2011  
Signature of INVENTOR Date

Jean-Luc Dufour  
(type name of Inventor)

[Signature] Aug 5-2011  
Signature of INVENTOR Date

David J. Wills  
(type name of Inventor)

[Signature] August 5, 2011  
Signature of INVENTOR Date

☐ Notarization or Legalization Page Added.

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.