

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Prakash K. Mirchandani	01/12/2007
David J. Wills	01/08/2007
Michale E. Waller	01/08/2007
Jeffrey L. Weigold	01/08/2007
Billy D. Swearengin	01/08/2007
<b>RECEIVING PARTY DATA</b>	
Name:	TDY Industries, Inc.
Street Address:	1000 Six PPG Place
City:	Pittsburgh
State/Country:	PENNSYLVANIA
Postal Code:	15222-5479
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	11585408
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(412)355-6501
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	412 355-8620
Email:	patents@klng.com
Correspondent Name:	Bernard G. Pike
Address Line 1:	535 Smithfield Street
Address Line 2:	Henry W. Oliver Building
Address Line 4:	Pittsburgh, PENNSYLVANIA 15222-2312
ATTORNEY DOCKET NUMBER:	050327CIP
NAME OF SUBMITTER:	Bernard G. Pike

CH \$40.00 11585408

**500213001**

**PATENT**  
**REEL: 018805 FRAME: 0529**

**Total Attachments: 6**

source=PI-#1714367-v1-Assignment\_050327CIP\_-\_ (pending)#page1.tif  
source=PI-#1714367-v1-Assignment\_050327CIP\_-\_ (pending)#page2.tif  
source=PI-#1714367-v1-Assignment\_050327CIP\_-\_ (pending)#page3.tif  
source=PI-#1714367-v1-Assignment\_050327CIP\_-\_ (pending)#page4.tif  
source=PI-#1714367-v1-Assignment\_050327CIP\_-\_ (pending)#page5.tif  
source=PI-#1714367-v1-Assignment\_050327CIP\_-\_ (pending)#page6.tif

Attorney's Docket No. Q90327CJP**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):**

Prekash K. Mirchandani  
 (type or print name of Inventor)

2806 Trellis Post Court  
Hampton Cove, AL 35763 USA  
 Address Nationality

David J. Wille

9061 Fallowood Lane  
Brentwood, TN 37027 United Kingdom

Michale E. Waller

207 Tara Leigh Drive  
Huntsville, AL 35811 USA

Jeffrey L. Welgold

115 Riverwind Drive  
Huntsville, AL 35811 USA

Billy D. Swearingin

156 Lemley Circle  
New Hope, AL 35760 USA

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 15222-6479

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

☒ the entire right, title and interest

☐ an undivided \_\_\_\_\_ percent ( \_\_\_\_\_ %) interest for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

(Assignment of Invention-Multiple Inventors [16-3.2]-page 1 )

PI-1702934 v1 0215785-1515

**PATENT**  
**REEL: 018805 FRAME: 0531**

☒ 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: **INJECTION MOLDING FABRICATION METHOD**

and which is found in U.S. application no.: 11/585,408 filed on October 24, 2006

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 (e) was checked above.

Prakash K. Mirchandani  
(type name of inventor)

*Prakash K. Mirchandani*  
Signature of INVENTOR

1/12/2007  
Date

David J. Willis  
(type name of inventor)

\_\_\_\_\_  
Signature of INVENTOR

\_\_\_\_\_  
Date

Michale E. Waller  
(type name of inventor)

\_\_\_\_\_  
Signature of INVENTOR

\_\_\_\_\_  
Date

Jaffrey L. Weigold  
(type name of inventor)

\_\_\_\_\_  
Signature of INVENTOR

\_\_\_\_\_  
Date

Billy D. Sweeney  
(type name of inventor)

\_\_\_\_\_  
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.

Attorney's Docket No. 050327CIP

**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):**

Prakash K. Mirchandani  
(type or print name of Inventors)

2606 Trellis Post Court  
Hampton Cove, AL 35763 USA  
Address Nationality

David J. Wills

~~9354 Fallswood Lane~~ 1491 PLAZA DRIVE  
Brentwood, TN 37027 United Kingdom

Michale E. Waller

207 Tara Leigh Drive  
Huntsville, AL 35811 USA

Jeffrey L. Weigold

115 Riverwind Drive  
Huntsville, AL 35811 USA

Billy D. Swearingin

155 Lemley Circle  
New Hope, AL 35760 USA

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 15222-5479

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

☒ the entire right, title and interest

☐ an undivided \_\_\_\_\_ percent ( \_\_\_\_\_ %) interest for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

☒ 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: **INJECTION MOLDING FABRICATION METHOD**

and which is found in U.S. application no.: 11/585,408 filed on October 24, 2006

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.

Prakash K. Mirchandani  
(type name of Inventor)

David J. Wills  
(type name of Inventor)

Michale E. Waller  
(type name of Inventor)

Jeffrey L. Weigold  
(type name of Inventor)

Billy D. Swearengin  
(type name of Inventor)

\_\_\_\_\_  
Signature of INVENTOR

\_\_\_\_\_  
Date

D. J. Wills  
Signature of INVENTOR

January 8<sup>th</sup> 2007  
Date

\_\_\_\_\_  
Signature of INVENTOR

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of INVENTOR

\_\_\_\_\_  
Date

\_\_\_\_\_  
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.

Attorney's Docket No. 050327CIP**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):**

Prakash K. Mirchandani  
 (type or print name of inventor)

2606 Trellis Post Court  
Hampton Cove, AL 35763 USA  
 Address Nationality

David J. Willis

9051 Fallswood Lane  
Brentwood, TN 37027 United Kingdom

Michale E. Waller

207 Tara Leigh Drive  
Huntsville, AL 35811 USA

Jeffrey L. Weigold

115 Riverwind Drive  
Huntsville, AL 35811 USA

Billy D. Swearegin

155 Lemley Circle  
New Hope, AL 35760 USA

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 15222-5479

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

☒ the entire right, title and interest

☐ an undivided \_\_\_\_\_ percent ( \_\_\_\_\_ %) interest for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

(Assignment of Invention-Multiple Inventors [16-3.2]-page 1 )

PI-1702934 v1 02/15785-1515

☒ 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: **INJECTION MOLDING FABRICATION METHOD**

and which is found in U.S. application no.: 11/585,408 filed on October 24, 2006

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.

Prakash K. Mirchandani  
(type name of Inventor)

Signature of INVENTOR

Date

David J. Wilts  
(type name of Inventor)

Signature of INVENTOR

Date

Michael E. Waller  
(type name of Inventor)

Signature of INVENTOR

Date

Jeffrey L. Weigold  
(type name of Inventor)

Signature of INVENTOR

Date

Billy D. Swearingin  
(type name of Inventor)

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