

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| SUBMISSION TYPE:           | NEW ASSIGNMENT        |
|----------------------------|-----------------------|
| NATURE OF CONVEYANCE:      | ASSIGNMENT            |
| CONVEYING PARTY DATA       |                       |
| Name                       | Execution Date        |
| TEKNI-PLEX, INC.           | 04/11/2013            |
| RECEIVING PARTY DATA       |                       |
| Name:                      | Swan Holdings, LLC    |
| Street Address:            | 595 Madison Avenue    |
| Internal Address:          | c/o Jacobson Partners |
| City:                      | New York              |
| State/Country:             | NEW YORK              |
| Postal Code:               | 10022                 |
| PROPERTY NUMBERS Total: 20 |                       |
| Property Type              | Number                |
| Patent Number:             | 5921586               |
| Patent Number:             | D512134               |
| Patent Number:             | D512492               |
| Patent Number:             | 7108292               |
| Patent Number:             | 7121521               |
| Patent Number:             | 7622040               |
| Patent Number:             | 7954791               |
| Application Number:        | 13115600              |
| Patent Number:             | 7934706               |
| PCT Number:                | US2010054959          |
| Application Number:        | 61257075              |
| Application Number:        | 12917047              |
| PCT Number:                | US2011025458          |
| Application Number:        | 61305725              |

|                     |              |
|---------------------|--------------|
| Application Number: | 13030832     |
| PCT Number:         | US2011063355 |
| Patent Number:      | 8409321      |
| Application Number: | 13850788     |
| Application Number: | 13308070     |
| Application Number: | 13309164     |

#### CORRESPONDENCE DATA

Fax Number: 2128067615

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: 2128066615

Email: jspinning@stroock.com

Correspondent Name: Stroock & Stroock & Lavan LLP

Address Line 1: 180 Maiden Lane

Address Line 2: Floor 38

Address Line 4: New York, NEW YORK 10038

|                         |             |
|-------------------------|-------------|
| ATTORNEY DOCKET NUMBER: | 307011/0055 |
|-------------------------|-------------|

|                    |             |
|--------------------|-------------|
| NAME OF SUBMITTER: | Jason Sobel |
|--------------------|-------------|

|            |                  |
|------------|------------------|
| Signature: | /Jason M. Sobel/ |
|------------|------------------|

|       |            |
|-------|------------|
| Date: | 04/23/2013 |
|-------|------------|

#### Total Attachments: 31

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**PATENT ASSIGNMENT**

THIS IS A PATENT ASSIGNMENT (this "Assignment"), dated as of April 11, 2013, by and among Swan Holdings, LLC, a Delaware limited liability company ("Assignee"), Plastic Specialties & Technologies, Inc., a Delaware corporation ("PS&T"), TPI Acquisition Subsidiary, Inc., a Delaware corporation ("TPI"), Plastic Specialties and Technologies Investments, Inc. ("PS&T Investments"), Tekni-Plex Technologies (Suzhou) Co. Ltd., a Chinese limited company ("Tekni China"), and Tekni-Plex, Inc., a Delaware corporation ("Tekni-Plex" and together with PS&T, TPI, PS&T Investments and Tekni China, the "Assignors"). Each of the Assignors and Assignee are sometimes hereinafter individually referred to as a "Party" and collectively as the "Parties."

**RECITALS:**

The Parties have entered into a certain Contribution Agreement dated April 11, 2013 under which certain intellectual property assets have been assigned to Assignee, and the Parties wish to formally confirm the transfer and assignment of those assets through this Assignment.

**NOW, THEREFORE**, in consideration of the mutual promises and undertakings contained herein and in the Contribution Agreement between the Parties, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound, Assignors agree as follows:

1. Definitions. Unless otherwise defined herein, all capitalized terms shall have the definition provided in the Contribution Agreement.

2. Assignment. Each Assignor hereby irrevocably sells, assigns, transfers and conveys unto Assignee any and all right, title and interest in the following assets that are owned, held by, or licensed to each Assignor and used exclusively in Assignor's Business:

(a) all patents and patent applications, together with any provisional applications therefor, reissues, reexaminations, continuations, continuations-in-part, divisions, and any related foreign patents and patent applications, improvements or extensions thereof, and all inventions disclosed in any of the foregoing; inventions, invention disclosures, discoveries and improvements, whether or not patentable, including the Patents in Schedule A, (collectively, the "Patents");

(b) any and all rights to royalties, profits, compensations, license fees or other payments or remuneration of any kind relating to the Patents from the Effective Date; and

(c) all claims or causes of action Assignor has or may have in connection with the Patents, including, without limitation, the right to sue and recover damages for any and all past, present and future infringements of any of the Patents.

all the foregoing to be held and enjoyed by Assignee, for its own use, and for the use of its successors, assigns or other legal representatives to the full end of the term or terms for which

the foregoing have or may be granted, as fully and entirely as the same would have been enjoyed by Assignor, had this Agreement not been made.

3. Assignors each covenant and agree that Assignor shall, at the request of Assignee or its counsel, execute, acknowledge and deliver all such further acts, deeds, assignments, transfers, powers of attorney and assurances as may be required to carry out the intent of this Assignment, and to transfer and vest title to and in the Patents; provided, however, this Assignment shall be effective regardless of whether any such additional documents are executed.

4. Assignors further authorize the Commissioner of Patents and Trademarks of the United States, and any official of any country foreign to the United States, whose duty it is to record patent registrations, applications and title thereto, to record the Patents and title thereto as the property of the Assignee, its legal representatives, successors and assigns and to issue all patents for improvements therein to the Assignee, in accordance with the terms of this Assignment.

5. This Assignment shall be binding upon and shall inure to the benefit of Assignors and Assignee and their respective successors, legal representatives and assigns, and all others acting by, through, with or under each Assignor's direction and all those in privity therewith.

6. This Assignment may be executed in one or more counterparts, and by the different parties hereto in separate counterparts, each of which when executed shall be deemed to be an original but all of which taken together shall constitute one and the same agreement. The Parties may execute and deliver this Assignment by facsimile or similar electronic transmission device under which the signature of or on behalf of such party can be seen, and such execution and delivery will be considered valid, binding and effective for all purposes.


7. Entire Agreement. This Assignment, together with any documents entered into in connection herewith, constitute the entire agreement, and supersedes all prior or contemporaneous discussions, negotiations, agreements and understandings (both written and oral), between the Parties with respect to the subject matter hereof. This Assignment may not be modified, amended, altered or supplemented except upon the execution and delivery of a written agreement executed by the Parties.

*[Signature page to follow]*

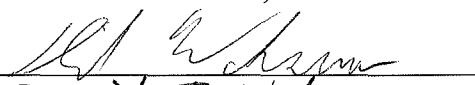
IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the day and year first above written.

**ASSIGNORS:**


PLASTIC SPECIALTIES AND TECHNOLOGIES,  
INC.

By:   
Name: David J. Waksman  
Title: SVP + Chief Legal Officer

TPI ACQUISITION SUBSIDIARY, INC.

By:   
Name: David J. Waksman  
Title: SVP + Chief Legal Officer


PLASTIC SPECIALTIES AND TECHNOLOGIES  
INVESTMENTS, INC.

By:   
Name: David J. Waksman  
Title: SVP + Chief Legal Officer

TEKNI-PLEX TECHNOLOGIES (SUZHOU) CO.  
LTD.

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

TEKNI-PLEX, INC.

By:   
Name: David J. Waksman  
Title: SVP + Chief Legal Officer

**ASSIGNEE:**

SWAN PRODUCTS, LLC

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

[Signature Page to Patent Assignment]

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the day and year first above written.

**ASSIGNORS:**

PLASTIC SPECIALTIES AND TECHNOLOGIES,  
INC.

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

TPI ACQUISITION SUBSIDIARY, INC.

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

PLASTIC SPECIALTIES AND TECHNOLOGIES  
INVESTMENTS, INC.

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

TEKNI-PLEX TECHNOLOGIES (SUZHOU) CO.  
LTD.

By: \_\_\_\_\_  
Name: RUSSEL HUBBARD  
Title: PRESIDENT

TEKNI-PLEX, INC.

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

**ASSIGNEE:**

SWAN PRODUCTS, LLC

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

*[Signature Page to Patent Assignment]*

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the day and year first above written.

**ASSIGNORS:**

PLASTIC SPECIALTIES AND TECHNOLOGIES,  
INC.

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

TPI ACQUISITION SUBSIDIARY, INC.

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

PLASTIC SPECIALTIES AND TECHNOLOGIES  
INVESTMENTS, INC.

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

TEKNI-PLEX TECHNOLOGIES (SUZHOU) CO.  
LTD.

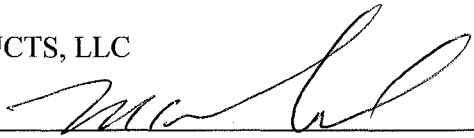
By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

TEKNI-PLEX, INC.

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

**ASSIGNEE:**

SWAN PRODUCTS, LLC

By:  \_\_\_\_\_  
Name: Miguel A. Nistal  
Title: Senior Vice President - Hose

*[Signature Page to Patent Assignment]*



**SCHEDULE A**

See attached.

PHIP/991973.7

Thursday, April 04, 2013

## Patent List

Page: 1

Owner: OW209

Plastic Specialties and Technologies, Inc.

| Case Number/Subcase<br>Country Name | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date |
|-------------------------------------|--------------|----------------------------|----------------------------|-----------------------|---------------------------|
| T012-7009/0                         | PRI          | 08/377,858                 |                            | 5,498,043             | Granted                   |
| United States of America            |              | 25-Jan-1995                |                            | 12-Mar-1996           | 25-Jan-2015               |

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name:

Agent Ref:

Title: HOSE FITTING HAVING FERRULE ANTI-ROTATION RATCHET TEETH

Thursday, April 04, 2013

# Patent List

Page: 1

Owner: OW222

IPI Acquisition Subsidiary, Inc

| Case Number/Subcase<br>Country Name | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date |
|-------------------------------------|--------------|----------------------------|----------------------------|-----------------------|---------------------------|
| T012-7013/0                         | PRI          | 08/438,868                 |                            | 5,626,369             | Granted                   |
| United States of America            |              | 10-May-1995                |                            | 06-May-1997           | 10-May-2015               |

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name:

Agent Ref:

Title: HOSE ASSEMBLY, INTERNALLY THREADED MEMBER THEREFOR AND METHODS OF  
MAKING THE SAME

Thursday, April 04, 2013

Patent List

Page: 1

Owner: OW222

TPI Acquisition Subsidiary, Inc

| Case Number/Subcase<br>Country Name | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date |
|-------------------------------------|--------------|----------------------------|----------------------------|-----------------------|---------------------------|
| T012-7016/0                         | PRI          | 08/904,404                 |                            | 5,894,866             | Granted                   |
| United States of America            |              | 31-Jul-1997                |                            | 20-Apr-1999           | 31-Jul-2017               |

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name:

Agent Ref:

Title: GARDEN HOSE ASSEMBLY HAVING HOLDING MEANS ADAPTED TO BE COILED  
AROUND AN ASSOCIATED SUPPORT AND METHOD OF MAKING SAME

|                          |     |             |  |             |             |
|--------------------------|-----|-------------|--|-------------|-------------|
| T012-7016/1              | CON | 09/271,695  |  | 6,021,818   | Granted     |
| United States of America |     | 18-Mar-1999 |  | 08-Feb-2000 | 31-Jul-2017 |

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name:

Agent Ref:

Title: GARDEN HOSE ASSEMBLY HAVING HOLDING MEANS ADAPTED TO BE COILED  
AROUND AN ASSOCIATED SUPPORT AND METHOD OF MAKING SAME

Thursday, April 04, 2013

# Patent List

Page: 1

Owner: OW212

Plastic Specialties and Technologies Investments

| Case Number/Subcase<br>Country Name     | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date    | Status<br>Expiration Date |
|---|--------------|----------------------------|----------------------------|--------------------------|---------------------------|
| T012-7014/0<br>United States of America | PRI          | 08/722,506<br>27-Sep-1996  |                            | 5,811,038<br>22-Sep-1998 | Granted<br>27-Sep-2016    |

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name:

Agent Ref:

Title: METHOD OF BLENDING COMPONENTS FOR POROUS PLASTIC PIPE PROCESSING

Thursday, April 04, 2013

# Patent List

Page: 1

Owner: OW212

Plastic Specialties and Technologies Investments

| Case Number/Subcase<br>Country Name     | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date    | Status<br>Expiration Date |
|---|--------------|----------------------------|----------------------------|--------------------------|---------------------------|
| T012-7015/0<br>United States of America | PRI          | 08/720,078<br>27-Sep-1996  |                            | 5,811,164<br>22-Sep-1998 | Granted<br>27-Sep-2016    |

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name:

Agent Ref:

Title: AERATION PIPE AND METHOD OF MAKING SAME

Thursday, April 04, 2013

Patent List

Page: 1

Owner: OW223

Tekni-Plex Technologies (Suzhou) Co., Ltd.

| Case Number/Subcase<br>Country Name                                     | Case<br>Type | Application<br>Number/Date    | Publication<br>Number/Date | Patent<br>Number/Date   | Status<br>Expiration Date |
|---|--------------|-------------------------------|----------------------------|---|---------------------------|
| T012-7041/1<br>China (People's Republic)                                | ORD          | 200710110725.6<br>06-Jun-2007 |                            |   | Pending                   |
| <i>Client Name:</i> Tekni-Plex, Inc.<br><i>Agent Name:</i> Boss & Young |              |                               |                            | <i>Attorney(s):</i> TAH CLB<br><i>Client Ref:</i><br><i>Agent Ref:</i> FP1F070234ZL/USLE/Y<br>L |                           |
| <i>Title:</i> FINE BUBBLE AIRLIFT DEVICE                                |              |                               |                            |   |                           |

|   |     |                               |  |   |         |
|---|-----|-------------------------------|--|---|---------|
| T012-7041/2<br>China (People's Republic)                                | DIV | 201310073987.5<br>08-Mar-2013 |  |   | Pending |
| <i>Client Name:</i> Tekni-Plex, Inc.<br><i>Agent Name:</i> Boss & Young |     |                               |  | <i>Attorney(s):</i> TAH CLB<br><i>Client Ref:</i><br><i>Agent Ref:</i> FP1F130182ZL/USRH/M<br>Y |         |
| <i>Title:</i> FINE BUBBLE AIRLIFT DEVICE                                |     |                               |  |   |         |

Thursday, April 04, 2013

Patent List

Page: 1

Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date |
|-------------------------------------|--------------|----------------------------|----------------------------|-----------------------|---------------------------|
| T012-7018/0                         | ORD          | 08/869,498                 |                            | 5,921,586             | Granted                   |
| United States of America            |              | 05-Jun-1997                |                            | 13-Jul-1999           | 05-Jun-2017               |

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name:

Agent Ref:

Title: VARIABLE SIZE FITTING



Thursday, April 04, 2013

# Patent List

Page: 1

Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name     | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date     | Status<br>Expiration Date |
|---|--------------|----------------------------|----------------------------|---------------------------|---------------------------|
| T012-7031/0<br>United States of America | DCN          | 29/221,707<br>19-Jan-2005  |                            | D512,134 S<br>29-Nov-2005 | Granted<br>29-Nov-2019    |

*Client Name:* Tekni-Plex, Inc.

*Agent Name:*

*Title:* SPIGOT

*Attorney(s):* TAH

*Client Ref:*

*Agent Ref:*

Thursday, April 04, 2013

# Patent List

Page: 1

Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date |
|-------------------------------------|--------------|----------------------------|----------------------------|-----------------------|---------------------------|
| T012-7033/0                         | DES          | 29/221,708                 |                            | D512,492              | Granted                   |
| United States of America            |              | 19-Jan-2005                |                            | 06-Dec-2005           | 06-Dec-2019               |

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name:

Agent Ref:

Title: HOSE COUPLER

Thursday, April 04, 2013

# Patent List

Page: 1

Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date |
|-------------------------------------|--------------|----------------------------|----------------------------|-----------------------|---------------------------|
| T012-7035/0                         | ORD          | 10/812,119                 | US-2004-0201213-A1         | 7,108,292             | Granted                   |
| United States of America            |              | 29-Mar-2004                | 14-Oct-2004                | 19-Sep-2006           | 05-Sep-2024               |

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name:

Agent Ref:

Title: HOSE COUPLER

Thursday, April 04, 2013

# Patent List

Page: 1

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Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date |
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| T012-7036/0              | ORD | 10/812,202  |  | 7,121,521   | Granted     |
| United States of America |     | 29-Mar-2004 |  | 17-Oct-2006 | 27-May-2024 |

Attorney(s): TAH

Client Ref:

Agent Ref:

Client Name: Tekni-Plex, Inc.

Agent Name:

Title: SPIGOT

Thursday, April 04, 2013

Patent List

Page: 2

Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date |
|-------------------------------------|--------------|----------------------------|----------------------------|-----------------------|---------------------------|
| T012-7041/0                         | PRI          | 11/478,875                 | US-2008-000823-A1          | 7,622,040             | Granted                   |
| United States of America            |              | 30-Jun-2006                | 03-Jan-2008                | 24-Nov-2009           | 14-Oct-2026               |

Attorney(s): TAH CLB

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name:

Agent Ref:

Title: FINE BUBBLE AIRLIFT DEVICE

|             |     |             |  |             |             |
|-------------|-----|-------------|--|-------------|-------------|
| T012-7041/1 | ORD | 070102943   |  | AR061767B1  | Granted     |
| Argentina   |     | 30-Jun-2007 |  | 24-Jun-2011 | 30-Jun-2027 |

Attorney(s): TAH CLB

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name: Clarke, Modet & Co

Agent Ref: P 8483-AR

Title: FINE BUBBLE AIRLIFT DEVICE

|             |     |             |             |             |             |
|-------------|-----|-------------|-------------|-------------|-------------|
| T012-7041/1 | ORD | 096119538   | I380774     | I380774     | Granted     |
| Taiwan      |     | 31-May-2007 | 01-Jan-2013 | 01-Jan-2013 | 31-May-2027 |

Attorney(s): TAH CLB

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name: LEE AND LI

Agent Ref: T48996/120217

Title: FINE BUBBLE AIRLIFT DEVICE

Thursday, April 04, 2013

Patent List

Page: 3

Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name     | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date    | Status<br>Expiration Date |
|---|--------------|----------------------------|----------------------------|--------------------------|---------------------------|
| T012-7041/1<br>United States of America | CIP          | 11/710,857<br>26-Feb-2007  |                            | 7,954,791<br>07-Jun-2011 | Granted<br>14-Oct-2026    |

Attorney(s): TAH CLB

Client Ref:

Agent Ref:

Client Name: Tekni-Plex, Inc.

Agent Name:

Title: FINE BUBBLE AIRLIFT DEVICE

|   |     |                           |                                   |  |                          |
|---|-----|---------------------------|-----------------------------------|--|--------------------------|
| T012-7041/2<br>United States of America | DIV | 13/115,600<br>25-May-2011 | US-2011-0220732-A1<br>15-Sep-2011 |  | Published<br>14-Oct-2026 |
|---|-----|---------------------------|-----------------------------------|--|--------------------------|

Attorney(s): TAH CLB

Client Ref:

Agent Ref:

Client Name: Tekni-Plex, Inc.

Agent Name:

Title: FINE BUBBLE AIRLIFT DEVICE

Thursday, April 04, 2013

Patent List

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Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date     | Status<br>Expiration Date |
|-------------------------------------|--------------|----------------------------|----------------------------|---------------------------|---------------------------|
| T012-7044/0<br>Argentina            | ORD          | 070101977<br>07-May-2007   |                            | AR060790B1<br>19-Nov-2012 | Granted<br>07-May-2027    |

Attorney(s): TAH

Client Ref:

Agent Ref: P 8377-AR

Client Name: Tekni-Plex, Inc.

Agent Name: Clarke, Modet & Co

Title: AERATION DEVICE FOR USE AS A DIFFUSER

|                       |     |                          |                        |                        |                        |
|-----------------------|-----|--------------------------|------------------------|------------------------|------------------------|
| T012-7044/0<br>Taiwan | ORD | 096116313<br>08-May-2007 | I345950<br>01-Aug-2011 | I345950<br>01-Aug-2011 | Granted<br>08-May-2027 |
|-----------------------|-----|--------------------------|------------------------|------------------------|------------------------|

Attorney(s): TAH

Client Ref:

Agent Ref: T48996/120852

Client Name: Tekni-Plex, Inc.

Agent Name: LEE AND LI

Title: AERATION DEVICE FOR USE AS A DIFFUSER

|   |     |                           |                                   |                          |                        |
|---|-----|---------------------------|-----------------------------------|--------------------------|------------------------|
| T012-7044/0<br>United States of America | ORD | 11/800,440<br>04-May-2007 | US-2007-0257382-A1<br>08-Nov-2007 | 7,934,706<br>03-May-2011 | Granted<br>02-Mar-2030 |
|---|-----|---------------------------|-----------------------------------|--------------------------|------------------------|

Attorney(s): TAH

Client Ref:

Agent Ref:

Client Name: Tekni-Plex, Inc.

Agent Name:

Title: AERATION DEVICE FOR USE AS A DIFFUSER

Thursday, April 04, 2013

Patent List

Page: 1

Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date |
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| T012-7045/0<br>Brazil | PCT | BR112012010324-5<br>01-Nov-2010 |  |  | Pending |
|-----------------------|-----|---------------------------------|--|--|---------|

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name: DANNEMANN SIEMSEN BIGLER IPANEMA &  
MOREIRA

Agent Ref: P185743

Title: COUPLING MEMBER WITH INTERRUPTED THREAD AND METHOD OF MANUFACTURE

|                       |     |                        |  |  |         |
|-----------------------|-----|------------------------|--|--|---------|
| T012-7045/0<br>Canada | PCT | 2778550<br>01-Nov-2010 |  |  | Pending |
|-----------------------|-----|------------------------|--|--|---------|

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name: Norton Rose OR LLP

Agent Ref: 05013620-17CA

Title: COUPLING MEMBER WITH INTERRUPTED THREAD AND METHOD OF MANUFACTURE

|  |     |                               |                             |  |           |
|--|-----|-------------------------------|-----------------------------|--|-----------|
| T012-7045/0<br>China (People's Republic) | PCT | 201080055399.3<br>01-Nov-2010 | CN102648371A<br>22-Aug-2012 |  | Published |
|--|-----|-------------------------------|-----------------------------|--|-----------|

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name: CCPIT Patent & Trademark Law

Agent Ref: IIM121205

Title: COUPLING MEMBER WITH INTERRUPTED THREAD AND METHOD OF MANUFACTURE



Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date |
|-------------------------------------|--------------|----------------------------|----------------------------|-----------------------|---------------------------|
| T012-7045/0                         | PCT          | 10776491.2                 | 2496873                    |                       | Published                 |
| European Patent Convention          |              | 01-Nov-2010                | 12-Sep-2012                |                       |                           |

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name: PAGE WHITE AND FARRER

Agent Ref:

Title: COUPLING MEMBER WITH INTERRUPTED THREAD AND METHOD OF MANUFACTURE

|             |     |                 |  |         |
|-------------|-----|-----------------|--|---------|
| T012-7045/0 | PCT | 3825/CHENP/2012 |  | Pending |
| India       |     | 01-Nov-2010     |  |         |

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name: DE PENNING &amp; DE PENNING

Agent Ref: 2128-2012/AP/rs

Title: COUPLING MEMBER WITH INTERRUPTED THREAD AND METHOD OF MANUFACTURE

|             |     |             |  |         |
|-------------|-----|-------------|--|---------|
| T012-7045/0 | PCT | 2012-537929 |  | Pending |
| Japan       |     | 01-Nov-2010 |  |         |

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name: Yuasa &amp; Hara

Agent Ref: T-1052-0001/120692

Title: COUPLING MEMBER WITH INTERRUPTED THREAD AND METHOD OF MANUFACTURE

Thursday, April 04, 2013

Patent List

Page: 3

Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name | Case<br>Type | Application<br>Number/Date      | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date |
|-------------------------------------|--------------|---------------------------------|----------------------------|-----------------------|---------------------------|
| T012-7045/0<br>Mexico               | PCT          | MX/a/2012/004966<br>01-Nov-2010 |                            |                       | Pending                   |

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name: uhthoff gomez vega & uhthoff, s.c.

Agent Ref: 230276/JUO/lhh/edr

Title: COUPLING MEMBER WITH INTERRUPTED THREAD AND METHOD OF MANUFACTURE

|  |     |                                |                               |              |
|--|-----|--------------------------------|-------------------------------|--------------|
| T012-7045/0<br>Patent Cooperation Treaty | ORD | PCT/US10/054959<br>01-Nov-2010 | WO 2011/066062<br>03-Jun-2011 | Nationalized |
|--|-----|--------------------------------|-------------------------------|--------------|

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name:

Agent Ref:

Title: COUPLING MEMBER WITH INTERRUPTED THREAD AND METHOD OF MANUFACTURE

|                         |     |                           |  |         |
|-------------------------|-----|---------------------------|--|---------|
| T012-7045/0<br>Thailand | PCT | 1201002048<br>01-Nov-2010 |  | Pending |
|-------------------------|-----|---------------------------|--|---------|

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name: TILLEKE & GIBBINS

Agent Ref: R01052-00003 PCTN

Title: COUPLING MEMBER WITH INTERRUPTED THREAD AND METHOD OF MANUFACTURE

Thursday, April 04, 2013

Patent List

Page: 4

Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name     | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date        |
|---|--------------|----------------------------|----------------------------|-----------------------|----------------------------------|
| T012-7045/0<br>United States of America | PRO          | 61/257,075<br>02-Nov-2009  |                            |                       | Utility/PCT Filed<br>02-Nov-2010 |

Attorney(s): TAH

Client Ref:

Agent Ref:

Client Name: Tekni-Plex, Inc.

Agent Name:

Title: MALE HOSE COUPLING MEMBER

|   |     |                           |                                   |           |
|---|-----|---------------------------|-----------------------------------|-----------|
| T012-7045/1<br>United States of America | ORD | 12/917,047<br>01-Nov-2010 | US-2011-0101681-A1<br>05-May-2011 | Published |
|---|-----|---------------------------|-----------------------------------|-----------|

Attorney(s): TAH

Client Ref:

Agent Ref:

Client Name: Tekni-Plex, Inc.

Agent Name:

Title: COUPLING MEMBER WITH INTERRUPTED THREAD AND METHOD OF MANUFACTURE

Thursday, April 04, 2013

# Patent List

Page: 1

Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date |
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|-----------------------|-----|---------------------------------|--|--|---------|
| T012-7047/0<br>Brazil | PCT | BR112012020796-2<br>18-Feb-2011 |  |  | Pending |
|-----------------------|-----|---------------------------------|--|--|---------|

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name: DANNEMANN SIEMSEN BIGLER IPANEMA &  
MOREIRA

Agent Ref: P188779

Title: AERATION SYSTEM WITH ANTIMICROBIAL PROPERTIES

|  |     |                               |                               |  |           |
|--|-----|-------------------------------|-------------------------------|--|-----------|
| T012-7047/0<br>China (People's Republic) | PCT | 201180013704.7<br>18-Feb-2011 | CN 102811800 A<br>05-Dec-2012 |  | Published |
|--|-----|-------------------------------|-------------------------------|--|-----------|

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name: LEE AND LI

Agent Ref: T48996/CN13186

Title: AERATION SYSTEM WITH ANTIMICROBIAL PROPERTIES

|  |     |                                |                               |  |              |
|--|-----|--------------------------------|-------------------------------|--|--------------|
| T012-7047/0<br>Patent Cooperation Treaty | ORD | PCT/US11/025458<br>18-Feb-2011 | WO 2011/103445<br>25-Aug-2011 |  | Nationalized |
|--|-----|--------------------------------|-------------------------------|--|--------------|

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name:

Agent Ref:

Title: AERATION SYSTEM WITH ANTIMICROBIAL PROPERTIES

Thursday, April 04, 2013

Patent List

Page: 2

Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name     | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date        |
|---|--------------|----------------------------|----------------------------|-----------------------|----------------------------------|
| T012-7047/0<br>United States of America | PRO          | 61/305,725<br>18-Feb-2010  |                            |                       | Utility/PCT Filed<br>18-Feb-2011 |

Attorney(s): TAH

Client Ref:

Agent Ref:

Client Name: Tekni-Plex, Inc.

Agent Name:

Title: ANTIMICROBIAL AERATION HOSE

|   |     |                           |                                   |  |           |
|---|-----|---------------------------|-----------------------------------|--|-----------|
| T012-7047/1<br>United States of America | ORD | 13/030,832<br>18-Feb-2011 | US-2011-0198764-A1<br>18-Aug-2011 |  | Published |
|---|-----|---------------------------|-----------------------------------|--|-----------|

Attorney(s): TAH

Client Ref:

Agent Ref:

Client Name: Tekni-Plex, Inc.

Agent Name:

Title: AERATION SYSTEM WITH ANTIMICROBIAL PROPERTIES

Thursday, April 04, 2013

# Patent List

Page: 1

Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date |
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|--------------------------|-----|---------------------------|--|--|---------|
| T012-7052/0<br>Australia | PCT | 2011338678<br>06-Dec-2011 |  |  | Pending |
|--------------------------|-----|---------------------------|--|--|---------|

Attorney(s): TAH

Client Ref:

Client Name: Tekni-Plex, Inc.

Agent Name: Phillips Ormonde & Fitzpatrick

Agent Ref: 950229

Title: METHOD AND APPARATUS FOR LEACHING METAL FROM MINING ORE

|                       |     |                        |  |  |         |
|-----------------------|-----|------------------------|--|--|---------|
| T012-7052/0<br>Canada | PCT | 2790118<br>06-Dec-2011 |  |  | Pending |
|-----------------------|-----|------------------------|--|--|---------|

Attorney(s): TAH

Client Ref:

Client Name: Tekni-Plex, Inc.

Agent Name: Norton Rose OR LLP

Agent Ref: 05013620-19CA

Title: METHOD AND APPARATUS FOR LEACHING METAL FROM MINING ORE

|                      |     |                          |  |  |         |
|----------------------|-----|--------------------------|--|--|---------|
| T012-7052/0<br>Chile | PCT | 2012-2748<br>06-Dec-2011 |  |  | Pending |
|----------------------|-----|--------------------------|--|--|---------|

Attorney(s): TAH

Client Ref:

Client Name: Tekni-Plex, Inc.

Agent Name: Sargent & Krahn

Agent Ref: 811.101

Title: METHOD AND APPARATUS FOR LEACHING METAL FROM MINING ORE

Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name      | Case<br>Type | Application<br>Number/Date    | Publication<br>Number/Date  | Patent<br>Number/Date | Status<br>Expiration Date |
|--|--------------|-------------------------------|-----------------------------|-----------------------|---------------------------|
| T012-7052/0<br>China (People's Republic) | PCT          | 201180013532.3<br>06-Dec-2011 | CN102791891A<br>21-Nov-2012 |                       | Published                 |

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name: CCPIT Patent &amp; Trademark Law

Agent Ref: IIMI22386

Title: METHOD AND APPARATUS FOR LEACHING METAL FROM MINING ORE

|                       |     |                                 |  |         |
|-----------------------|-----|---------------------------------|--|---------|
| T012-7052/0<br>Mexico | PCT | MX/a/2012/010396<br>06-Dec-2011 |  | Pending |
|-----------------------|-----|---------------------------------|--|---------|

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name: ulthoff gomez vega &amp; ulthoff, s.c.

Agent Ref: 233623/JUO/ybv

Title: METHOD AND APPARATUS FOR LEACHING METAL FROM MINING ORE

|  |     |                                |                               |           |
|--|-----|--------------------------------|-------------------------------|-----------|
| T012-7052/0<br>Patent Cooperation Treaty | ORD | PCT/US11/063355<br>06-Dec-2011 | WO 2012/078532<br>14-Jun-2012 | Published |
|--|-----|--------------------------------|-------------------------------|-----------|

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name:

Agent Ref:

Title: METHOD AND APPARATUS FOR LEACHING METAL FROM MINING ORE

Thursday, April 04, 2013

Patent List

Page: 3

Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date |
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|                     |     |                                |  |  |         |
|---------------------|-----|--------------------------------|--|--|---------|
| T012-7052/0<br>Peru | PCT | New Application<br>06-Dec-2011 |  |  | Pending |
|---------------------|-----|--------------------------------|--|--|---------|

Attorney(s): TAH

Client Ref:

Client Name: Tekni-Plex, Inc.

Agent Name: Clarke, Modet & Co

Agent Ref: PCT1798/2012

Title: METHOD AND APPARATUS FOR LEACHING METAL FROM MINING ORE

|                                   |     |                           |  |  |         |
|-----------------------------------|-----|---------------------------|--|--|---------|
| T012-7052/0<br>Russian Federation | PCT | 2012141647<br>06-Dec-2011 |  |  | Pending |
|-----------------------------------|-----|---------------------------|--|--|---------|

Attorney(s): TAH

Client Ref:

Client Name: Tekni-Plex, Inc.

Agent Name: Gorodissky & Partners

Agent Ref: 2420-188614RU/011

Title: METHOD AND APPARATUS FOR LEACHING METAL FROM MINING ORE

|                             |     |                           |  |  |         |
|-----------------------------|-----|---------------------------|--|--|---------|
| T012-7052/0<br>South Africa | PCT | 2012/05946<br>06-Dec-2011 |  |  | Pending |
|-----------------------------|-----|---------------------------|--|--|---------|

Attorney(s): TAH

Client Ref:

Client Name: Tekni-Plex, Inc.

Agent Name: DM KISCH INC

Agent Ref: P45821ZA00/PJW/hs

Title: METHOD AND APPARATUS FOR LEACHING METAL FROM MINING ORE



Thursday, April 04, 2013

Patent List

Page: 4

Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date |
|-------------------------------------|--------------|----------------------------|----------------------------|-----------------------|---------------------------|
| T012-7052/0                         | PRI          | 12/960,750                 | US-2012-0137831-A1         | 8,409,321             | Granted                   |
| United States of America            |              | 06-Dec-2010                | 07-Jun-2012                | 02-Apr-2013           | 17-May-2031               |

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name:

Agent Ref:

Title: METHOD AND APPARATUS FOR LEACHING METAL FROM MINING ORE

|                          |     |             |  |  |         |
|--------------------------|-----|-------------|--|--|---------|
| T012-7052/1              | DIV | 13/850,788  |  |  | Pending |
| United States of America |     | 26-Mar-2013 |  |  |         |

Attorney(s): TAH

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name:

Agent Ref:

Title: METHOD AND APPARATUS FOR LEACHING METAL FROM MINING ORE

Thursday, April 04, 2013

Patent List

Page: 1

Owner: T012

Tekni-Plex, Inc.

| Case Number/Subcase<br>Country Name | Case<br>Type | Application<br>Number/Date | Publication<br>Number/Date | Patent<br>Number/Date | Status<br>Expiration Date |
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| T012-7063/0 | PRI | 13/308,070 |  |  | Pending |
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|--------------------------|--|-------------|--|--|--|
| United States of America |  | 30-Nov-2011 |  |  |  |
|--------------------------|--|-------------|--|--|--|

Attorney(s): TAH CLB

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name:

Agent Ref:

Title: ANTI-KINKING DEVICE FOR GARDEN OR WATER HOSE

|             |     |            |  |  |         |
|-------------|-----|------------|--|--|---------|
| T012-7063/1 | CIP | 13/309,164 |  |  | Pending |
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|                          |  |             |  |  |  |
|--------------------------|--|-------------|--|--|--|
| United States of America |  | 01-Dec-2011 |  |  |  |
|--------------------------|--|-------------|--|--|--|

Attorney(s): TAH CLB

Client Name: Tekni-Plex, Inc.

Client Ref:

Agent Name:

Agent Ref:

Title: ANTI-KINKING DEVICE FOR GARDEN OR WATER HOSE