

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3390028

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the JOINT ASSIGNEES TO CURTISS-WRIGHT FLOW CONTROL CORPORATION, AND CURTISS-WRIGHT FLOW CONTROL (U.K), LTD previously recorded on Reel 017388 Frame 0308. Assignor(s) hereby confirms the ASSIGNEE CURTISS-WRIGHT FLOW CONTROL CORPORATION, A NEW JERSEY CORPORATION WAS INCORRECT ON THE PREVIOUSLY RECORDED ASSIGNMENT.
RESUBMIT DOCUMENT ID:	503328062

CONVEYING PARTY DATA

Name	Execution Date
TAPCO INTERNATIONAL, INC.	11/21/2002

RECEIVING PARTY DATA

Name:	CURTISS-WRIGHT FLOW CONTROL CORPORATION
Street Address:	13925 BALLANTYNE CORPORATE PLACE, SUITE 400
City:	CHARLOTTE
State/Country:	NORTH CAROLINA
Postal Code:	28277
Name:	CURTISS-WRIGHT FLOW CONTROL (U.K.), LTD.
Street Address:	NAPOLEON HOUSE, GORE CROSS BUSINESS PARK, CORBIN WAY, BRIDPORT
City:	DORSET
State/Country:	UNITED KINGDOM
Postal Code:	DT6 3UX

PROPERTY NUMBERS Total: 3

Property Type	Number
Patent Number:	6050288
Patent Number:	6109590
Patent Number:	5979870

CORRESPONDENCE DATA

Fax Number: (216)579-6073

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 216-579-1700

Email: mlaskey@pearne.com

Correspondent Name: PEARNE & GORDON, LLP

PATENT

Address Line 1: 1801 EAST 9TH STREET, SUITE 1200
Address Line 4: CLEVELAND, OHIO 44114

ATTORNEY DOCKET NUMBER: 36672US2, 36674, 36675

NAME OF SUBMITTER: STEPHEN S. WENTSLER

SIGNATURE: /Stephen S. Wentsler/

DATE SIGNED: 06/10/2015

Total Attachments: 32

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PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

03/30/2006
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tapco international, Inc.</td> <td>11/21/2002</td> </tr> </tbody> </table>		Name	Execution Date	Tapco international, Inc.	11/21/2002								
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Tapco international, Inc.	11/21/2002												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Curtiss-Wright Flow Control Corporation</td> </tr> <tr> <td>Street Address:</td> <td>4 BECKER FARM ROAD</td> </tr> <tr> <td>City:</td> <td>ROSELAND</td> </tr> <tr> <td>State/Country:</td> <td>NEW JERSEY</td> </tr> <tr> <td>Postal Code:</td> <td>07068</td> </tr> </table>		Name:	Curtiss-Wright Flow Control Corporation	Street Address:	4 BECKER FARM ROAD	City:	ROSELAND	State/Country:	NEW JERSEY	Postal Code:	07068		
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PROPERTY NUMBERS Total: 5													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>6364324</td> </tr> <tr> <td>Patent Number:</td> <td>6050288</td> </tr> <tr> <td>Patent Number:</td> <td>6109590</td> </tr> <tr> <td>Patent Number:</td> <td>5979870</td> </tr> <tr> <td>Patent Number:</td> <td>6170528</td> </tr> </tbody> </table>		Property Type	Number	Patent Number:	6364324	Patent Number:	6050288	Patent Number:	6109590	Patent Number:	5979870	Patent Number:	6170528
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CORRESPONDENCE DATA													
<p>Fax Number: (216)579-6073 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 216-579-1700 Email: trndocket@pearne.com Correspondent Name: MICHAEL W. GARVEY Address Line 1: 1801 EAST 9TH STREET Address Line 2: SUITE 1200 Address Line 4: CLEVELAND, OHIO 44114-3108</p>													
ATTORNEY DOCKET NUMBER:	TLN3 H9141												

CH \$200.00 6364324

NAME OF SUBMITTER:

MICHAEL W. GARVEY

Total Attachments: 27

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INTELLECTUAL PROPERTY ASSIGNMENT AND LICENSE

THIS INTELLECTUAL PROPERTY ASSIGNMENT AND LICENSE (this "Assignment") dated as of the 1st day of November 2002, is entered into by and between Curtiss-Wright Flow Control Corporation, a New York corporation, Curtiss-Wright Flow Control (U.K.), Ltd., a corporation organized under the laws of England (collectively, the "Buyers" or "Assignees"), Tapco International, Inc., a Delaware corporation and Triten International Ltd., a corporation organized under the laws of England ("Sellers"), and Triten Corporation, a Texas corporation and the sole shareholder of each of the Sellers ("Triten"). Triten and Sellers shall be collectively referred to herein as "Assignors."

RECITALS

WHEREAS the Assignors named herein are the owners of the Intellectual Property Assets described herein;

WHEREAS, the Buyers and Sellers entered into the Asset Purchase Agreement dated of even date herewith ("APA") transferring to Buyers certain business assets owned by the Sellers as is further set forth in the APA; and

WHEREAS the Assignees are desirous of acquiring all right, title and interest in and to said Intellectual Property Assets as the successors to the Business of Sellers,

NOW THEREFORE the Parties execute this Assignment effective upon the Effective Date provided herein:

1. **Effective Date**

The "Effective Date" of this Assignment, by specific agreement of the Parties, and notwithstanding the latest date of execution shown herein, is December 1, 2002.

2. **Definitions**

All capitalized terms not otherwise defined herein shall have the meanings assigned to such terms in the APA.

"Confidential Information" means the business, technical or other information, whether or not said information has been or is the subject of applications for or registrations of patent rights, trade secret rights, copyright rights, trademark rights or other intellectual property rights, including Trade Secrets, and improvements thereto, and further including any information relating to this Assignment, or the discussions or negotiations relating thereto, or the Intellectual Property Assets, to the extent such information (i) derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from their disclosure or use; and (ii) is the subject of efforts that are reasonable under the circumstances to maintain secrecy.

“Copyrights” means the (a) original works of authorship fixed in a tangible medium of expression, whether or not said works are yet described in copyright applications or issued copyright registrations, including the right to apply for copyright registrations in the U.S. and foreign countries and/or to claim any priority rights for such applications pursuant to U.S. laws, international conventions, international treaties, foreign laws, or otherwise; (b) copyright applications filed in the Territory or filed pursuant to international treaties designating the Territory, including any divisions, continuations or continuations-in-part of said copyright applications; and (c) copyright registrations granted in the Territory, including any reissuances, renewals or extensions of said copyright registrations.

“Intellectual Property Assets” means the Patents, Copyrights, Trademarks (specifically including the trade name “Tapco” but excluding the globe design), and Trade Secrets related to the Business (as further set forth in the Asset Purchase Agreement) in the Territory, the Parties specifically agreeing that the term Intellectual Property Assets also includes, but is not limited to, the properties enumerated in the following exhibits:

- **Exhibit A** - patent applications and issued/registered patents (also known as Letters Patent);
- **Exhibit B** - trademark applications and registered trademarks; and
- **Exhibit C** - unregistered trademarks and trade/business names.

“Party” means either Assignors or Assignees as the context herein shall indicate.

“Parties” means both Assignors and Assignees.

“Patents” means the (a) inventions conceived or partially or wholly reduced to practice, whether or not said inventions are yet described in patent applications or issued patents, including the right to apply for Letters Patent in the U.S. and foreign countries and/or to claim any priority rights for such applications pursuant to U.S. laws, international conventions, international treaties, foreign laws, or otherwise; (b) patent applications filed in the Territory or filed pursuant to international treaties designating the Territory, including any divisions, continuations or continuations-in-part of said patent applications; (c) Letters Patent granted in the Territory, including any reissuances or extensions of said Letters Patent; and (d) all patent license agreements.

“Territory(ies)” refers to any and all countries, states and territories anywhere in the world.

“Trademarks” means the (a) trademarks, service marks, trade names, and other designations of origin or goodwill, whether or not said marks, names, or designations are yet described in applications or issued registrations, including the right to apply for registrations in the U.S. and foreign countries and/or to claim any priority rights for such applications pursuant to U.S. laws, international conventions, international treaties, foreign laws, or otherwise; (b) trademark, service mark or trade name applications in the Territory, or applications for registration of other designations of origin in the Territory, including any divisions, continuations

or continuations-in-part of said applications; and (c) trademark, service mark or trade name registrations in the Territory, or registrations of other designations of origin in the Territory, including any reissuances or extensions of said registrations.

“Trade Secrets” means business, technical or other information, whether or not said information has been or is the subject of applications for or registrations of patent rights, trade secret rights, copyright rights, trademark rights or other intellectual property rights, including formulas, patterns, compilations, programs, device information, methods, techniques, processes, development agreements, license agreements in intellectual properties other than Patents, accounting/financial information, economic information, competitive/strategic information, and improvements thereto, that (i) derive independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from their disclosure or use; and (ii) are the subject of efforts that are reasonable under the circumstances to maintain secrecy.

3. Assignment

For good and valuable consideration, the receipt of which is acknowledged, Assignors have agreed to assign and transfer, and hereby do assign and transfer, as of the Effective Date, unto Assignees, their successors and assigns, the entire right, title and interest in and to the Intellectual Property Assets, including any right, title or interest which has been, is or may be granted upon any of the foregoing, to be held and enjoyed as fully and exclusively as it would have been by Assignors had this Assignment not been made.

4. Implied License and Limited License for Globe Design

Assignors grant to Assignees a non-exclusive, royalty-free worldwide license to use any of the Patents, Trade Secrets, Copyrights, Trademarks or other intellectual property rights of Assignors that may be embodied in, or necessary to the use of, the Intellectual Property Assets, *provided, however*, that this license is limited to the use of only those rights reasonably necessary to fully exploit the rights granted in this Assignment.

Assignors grant to Assignees a limited license for a period of one year use of the globe design, as such design is present in pre-printed brochures and electronic software being transferred to Assignees as part of the Purchased Assets of the Business. After the termination of this twelve (12) month period, Assignees shall not use the globe design in any way.

5. Supplies and Signage.

As soon as practicable after the Closing, Assignees shall cause the Business to discontinue use of any stationery, purchase order forms, packaging or other similar paper goods or supplies, or advertising and promotional materials, product, training and service literature and materials, or computer programs or like materials (collectively, the “Supplies”) or signs, that state or otherwise indicate thereon that the Business is a subsidiary or unit of Assignors, or contain any trademarks, service marks, trade names or corporate or business names, in whole or in part not specifically assigned herein; provided, however, that Assignees (a) may use any Supplies included in the Purchased Assets that are labeled with such trademarks, service marks,

trade names or corporate or business names for a reasonable period after the Closing (which in no event shall be later than 180 days following the Closing Date), (b) shall have up to nine months following the Closing to replace any signs that bear such trademarks, service marks, trade names or corporate or business names and (c) Assignees shall be entitled to ship any Inventory that is labeled with such trademarks, service marks, trade names or corporate or business names for a reasonable period after the Closing (which in no event shall be later than 180 days following the Closing Date). Assignees shall not reorder or produce any Supplies which state or otherwise indicate thereon that the Business is a subsidiary or unit of Assignors or contain any such trademarks, service marks, trade names or corporate or business names.

6. Perfection

Assignors agree, for themselves, their directors, officers, employees, and subcontractors, and for their successors and assigns, to execute and deliver without further consideration any further applications, declarations, affidavits, assignments and other documents, and to perform such other acts as they lawfully may, that may be deemed necessary, desirable or convenient by Assignees, their successors or assigns, to fully secure their interest in or to the Intellectual Property Assets or to obtain or maintain the Intellectual Property Assets in force in any and all countries, including doing all things necessary to obtain the approval of third parties necessary to effectuate the assignment of any license agreements (including patent license agreements) and development agreements, *provided, however*, that the Parties agree that the reasonable expenses of Assignors, if any, incurred in fulfilling this duty will be borne by Assignees.

7. Recordation

Assignors hereby authorize all U.S. and foreign governmental offices in which documents evidencing rights in the Intellectual Property Assets may reside to record this Assignment, any copy of this Assignment, and/or any information relating thereto, upon the request of the Assignees, so as to evidence this transfer of rights from Assignors to Assignees.

Assignors hereby authorize Assignees to make application for, and to receive registration for, intellectual property rights in the Intellectual Property Assets, including rights under U.S. and foreign laws relating to Patents, Copyrights, Trademarks, and Trade Secrets in their own names, or in Assignors' or another's name for the benefit of Assignees, at their election.

Assignors hereby authorize and request all U.S. and foreign governmental offices which may issue Letters Patent, trademark registrations, copyright registrations, or registrations of rights in trade secrets in the Intellectual Property Assets, wherever possible, to grant said Letters Patent and registrations directly to Assignees as the assignees of the entire right, title and interest therein.

8. Representations

Assignors represent and warrant that they have the full authority to enter into this Assignment and that the rights granted in the Intellectual Property Assets are free and clear of any encumbrances.

Assignors represent and warrant that they will have no remaining Intellectual Property Assets relating to the Business after the Closing Date.

9. Confidentiality

Any Confidential Information received by a party shall be retained in confidence and shall be used, disclosed, and copied solely for purposes of this Assignment.

The receiving party shall use the same degree of care to protect the Confidential Information it has received as it uses to protect its own confidential information, but no less than reasonable care, to prevent the unauthorized use, disclosure, or publication of the Confidential Information.

No party shall be bound by obligations restricting disclosure and use with respect to Confidential Information which (a) was known by the receiving party prior to disclosure; (b) was or becomes lawfully in the public domain prior to disclosure; (c) was disclosed to the receiving party by a third party provided such third party, or any other party from whom such third party receives such information, is not in breach of any confidentiality obligation; (d) is independently developed by the receiving party; or (e) is disclosed when such disclosure is compelled pursuant to legal proceedings, subject to the receiving party using reasonable efforts to provide prior notice to the disclosing party to allow it to seek protective or other court orders.

10. Miscellaneous

No party shall use the name of the other party in any advertising, public relations, or media release without the prior written consent of the other party.

Assignors shall have the right to delegate any duty or assign any right hereunder upon the prior written consent of Assignees; Assignees shall have the right to delegate any duty or assign any right granted hereunder upon the prior written consent of Assignors.

Except for the rights expressly granted pursuant to this Assignment, Assignors retain all of their Patent, Trade Secret, Copyright, Trademark and other intellectual property rights. Assignees shall enjoy the free and unrestrained right to use, enjoy and dispose of the Intellectual Property Assets without the consent of the Assignors and no part of this Assignment shall be construed so as to obligate Assignees to maintain the rights in the Intellectual Property Assets in force or to enforce such rights against third parties.

This Assignment constitutes the entire agreement between the parties and supersedes all other agreements between the parties concerning the subject matter herein except as provided in the APA.

This Assignment shall be governed by and construed in accordance with the laws of the State of Texas and the federal laws of the United States of America (U.S.A.). The exclusive venue for any disputes arising under or in respect of this Assignment shall be Houston, Texas, U.S.A.

11. Authority

Assignors represent that the representative executing this Assignment, as evidenced in the Execution section herein, has the express authority to execute this Assignment.

Assignees represent that the representative executing this Assignment, as evidenced in the Execution section herein, has the express authority to execute this Assignment.

12. Counterparts.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same document.

Execution

IN WITNESS WHEREOF, Assignors and Assignees, acting through the designated representatives whose names and titles appear hereinbelow, have executed this Assignment upon the dates shown therewith:

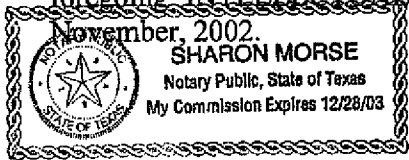
ASSIGNORS

TAPCO INTERNATIONAL, INC.

Signature / execution: *DO Bainter*
Printed name: Donald O. Bainter
Title: Executive VP & CFO
Date: November 21, 2002

STATE OF TEXAS
COUNTY OF HARRIS

Before me personally appeared said *D. O. Bainter* and acknowledged execution of the foregoing INTELLECTUAL PROPERTY ASSIGNMENT AND LICENSE this 21 day of



Sharon Morse 11/21/02
(Notary Public) (Date)

TRITEN CORPORATION

Signature / execution: *DO Bainter*
Printed name: Donald O. Bainter
Title: Executive VP & CFO
Date: November 21, 2002

STATE OF TEXAS
COUNTY OF HARRIS

Before me personally appeared said *D. O. Bainter* and acknowledged execution of the foregoing INTELLECTUAL PROPERTY ASSIGNMENT AND LICENSE this 21 day of November, 2002.



Sharon Morse 11/21/02
(Notary Public) (Date)

TRITEN INTERNATIONAL, LTD.

Signature / execution: *Donald O. Bainter*
Printed name: Donald O. Bainter
Title: Executive VP & CFO
Date: November 21, 2002

STATE OF TEXAS
COUNTY OF HARRIS

Before me personally appeared said *D. O. Bainter* and acknowledged execution of the foregoing INTELLECTUAL PROPERTY ASSIGNMENT AND LICENSE this 21 day of November, 2002.



Sharon Morse 11/21/02
(Notary Public) (Date)

ASSIGNEES
CURTISS-WRIGHT FLOW CONTROL CORPORATION

Signature / execution: _____
Printed name: _____
Title: _____
Date: November __, 2002

STATE OF TEXAS
COUNTY OF HARRIS

Before me personally appeared said _____ and acknowledged execution of the foregoing INTELLECTUAL PROPERTY ASSIGNMENT AND LICENSE this __ day of November, 2002.

(Notary Public) (Date)

TAPCO INTERNATIONAL, LTD.

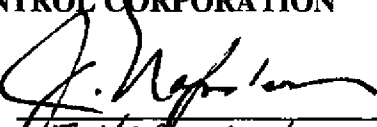
Signature / execution: _____
Printed name: _____
Title: _____
Date: November __, 2002

STATE OF TEXAS
COUNTY OF HARRIS

Before me personally appeared said _____ and acknowledged execution of the foregoing INTELLECTUAL PROPERTY ASSIGNMENT AND LICENSE this __ day of November, 2002.

(Notary Public) (Date)

ASSIGNEES
CURTISS-WRIGHT FLOW CONTROL CORPORATION

Signature / execution: 
Printed name: J. NAPOLEON
Title: PRESIDENT
Date: November __, 2002

STATE OF ~~TEXAS~~ New York
COUNTY OF ~~HARRIS~~ Suffolk

Before me personally appeared said J. NAPOLEON and acknowledged execution of the foregoing INTELLECTUAL PROPERTY ASSIGNMENT AND LICENSE this 25th day of November, 2002.

Karen E. Mack, 11/25/02
(Notary Public) (Date)

KAREN E. MACK
Notary Public, State of New York
No. 4867621
Qualified in Suffolk County
Commission Expires January 26, 2003

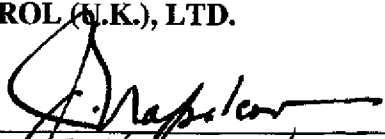
CURTISS-WRIGHT FLOW CONTROL (U.K.), LTD.

Signature / execution:

Printed name:

Title:

Date:



J. NAPOLEON

PRESIDENT

November 25, 2002

STATE OF ~~TEXAS~~ *New York*
COUNTY OF ~~HARRIS~~ *Suffolk*

Before me personally appeared said J. NAPOLEON and acknowledged execution of the foregoing INTELLECTUAL PROPERTY ASSIGNMENT AND LICENSE this 25th day of November, 2002.

Karen E. Mack 11/25/02
(Notary Public) (Date)

KAREN E. MACK
Notary Public, State of New York
No. 4867621
Qualified in Suffolk County
Commission Expires January 26, 2003

Intellectual Property Assignment and License

Exhibit A – patent applications and issued/registered patents identified on Schedule .2.2.1(f) of the APA.

Intellectual Property Assignment and License

Exhibit B – trademark applications and registered trademarks identified on Schedule .2.2.1(f) of the APA.

Intellectual Property Assignment and License

Exhibit C – unregistered trademarks and trade/business names identified on Schedule .2.2.1(f) of the APA.

Schedule 2.2.1(f)

INTELLECTUAL PROPERTY

TRADEMARKS

Reference Number	Mark/Design	Country	Registration Number	Classification Code	Issuance Date	Expiration Date	Ownership
TRIE 034A	"TAPCO" for Valves	United States	977,624	US 013 International 006	January 29, 1994	January 29, 2004	Triten Corporation ¹
TRIE 034F	"TAPCO" for Maintenance and/or Repair of Valves	United States	2,501,579	International 037	October 30, 2001	October 30, 2011	Triten Corporation
TRIE 034G	"TAPCO" for Repair and Reconditioning Services	United States	2,473,300	US 100, 103 and 106 International 037	July 31, 2001	July 31, 2011	Triten Corporation
TRIE 037 ²	"TAPCO"	India	Application No. 928682	India 7	Filed May 31, 2000	10 years after issuance ³	Triten Corporation

¹ On March 30, 2000, Tapco International, Inc. assigned worldwide right, title and interest of the "TAPCO" trademark and its registration to Triten Corporation.

² Application filed with Indian government includes "Trinay" and "Armalloy" filed under application numbers 928683 and 928684, respectively, dated May 31, 2000.

³ Local counsel advises that the estimated time for issuance may take as long as four years from the filing date.

TRADEMARKS, cont'd

Reference Number	Mark/Design	Country	Registration Number	Classification Code	Issuance Date	Expiration Date	Ownership
TRIE 012	"TAPCO"	United Kingdom	2,152,901	6, 7, 9, 37	December 5, 1997	December 5, 2007	Triten Corporation ⁴
	"TAPCO"	Community Trade Mark Registration	00498998	6, 7, 37, 42	June 7, 1999	March 27, 2007	Triten Corporation ⁴
TAP, 001-CA	"TAPCO" and Globe Design	Canada	203,421	September 11, 1997	November 22, 1974	November 22, 2004	Tapco International
TAP, 002-CA	"Tapco International" (stylized)	Canada	203,360	September 11, 1997	November 22, 1974	November 22, 2004	Tapco International
TAP, 001-AU		Australia	764733	6, 7, 37, 40 and 42	January 16, 1998	January 16, 2008	Tapco International

⁴ On December 31, 2000, Triten Corporation entered into a License Agreement with Triten International Ltd. (United Kingdom) granting Triten International Ltd. a limited license of the "TAPCO" name for production of goods manufactured in the United Kingdom. The License Agreement expires upon non-compliance by Triten International Ltd. with the terms of the License Agreement or if Triten International Ltd. is no longer owned by Triten Corporation. Triten Corporation waives the aforementioned expiration clauses of the License Agreement and agrees to transfer all of its right, title and interest in the "TAPCO" name to Curtiss-Wright.

PATENTS

Reference Number	Title	Country/Region	Patent Number	Issuance Date	Expiration Date	Inventor	Ownership
TRLE 004	Valve	United States	4,693,452	September 15, 1987		Frank Jandrasi	Triten Corporation ¹
		Europe	Application Number 87301813.9	Application filed March 2, 1987 but later abandoned	N/A		
		Japan	Application Number 62-056418	Application filed March 11, 1987 but later abandoned	N/A		
TRLE 008	Plug Valve	United States	4,813,817	March 21, 1987		Marius Robert Junier Guy L. McClung III	Triten Corporation ²
		Japan	2620869		November 28, 2007		
		Germany	3808176	November 3, 1988	March 11, 2008		
		United Kingdom	2208091	November 24, 1990	February 18, 2008		
		Canada	1280336	January 19, 1991	February 19, 2008		

¹ Assignment dated May 8, 1986 from Frank Jandrasi assigning all right, title and interest in "Valve" to Triten Corporation and filed with the United States Patent and Trademark Office on May 14, 1987.

² Assignment dated March 6, 1987 by Marius Robert Junier and March 11, 1987 by Guy L. McClung III assigning all right, title and interest in "Plug Valve" to Triten Corporation and filed with the United States Patent and Trademark Office on March 13, 1987.

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Reference Number	Title	Country/Region	Patent Number	Issuance Date	Expiration Date	Inventor	Ownership
TRIE-010	Plug Valve with Internal Stuffing Box	United States	4,827,967	May 9, 1989		Marius Robert Junier	Triten Corporation ³
		Canada	1,313,521	January 9, 1993			
		United Kingdom	2208911	January 17, 1991			
		Japan	2721894				
		Germany	3828086.8				
TRIE-017	Stuffing Box for Valve Stems i/k/a Pressure Vessel	United States	4,899,899	February 13, 1990		Marius Robert Junier	Triten Corporation ⁴
		Great Britain	2,233,405	November 24, 1989	November 24, 2009		
		Spain	8904132	December 4, 1989	December 4, 2009		
		Italy	046810 A/90	February 1, 1990	February 1, 2010		

³ Assignment dated August 17, 1987 from Marius Robert Junier assigning all right, title and interest in "Plug Valve with Internal Stuffing Box" to Triten Corporation and filed with United States Patent and Trademark Office on _____.

⁴ Assignment dated July 17, 1989 from Marius Robert Junier assigning all right, title and interest in "Stuffing Box for Valve Stems" to Triten Corporation and filed with the United States Patent and Trademark Office on July 21, 1989.

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Reference Number	Title	Country/Region	Patent Number	Issuance Date	Expiration Date	Inventor	Ownership
		France	9,000,478	February 17, 1990	February 17, 2010		
		Germany	4001731.1	January 22, 1990	January 22, 2010		
		Japan	2839609	August 16, 1998	January 4, 2010		
		Canada	2003760	September 13, 1994	November 23, 2009		
TRIE 018	Water Cooled Gate Valve	United States	5,062,445	November 5, 1991	Lapsed January 15, 1995	Marius Robert Junier	Triten Corporation ⁵
TRIE 019	Diverter Valve	United States	5,029,608	July 9, 1991		Marius Robert Junier	Triten Corporation ⁶
		European ⁷	0460794	January 4, 1991	January 4, 2011		
		Italy	0460794	August 16, 1995	August 16, 2005		
		Great Britain	0460794	January 4, 1991	January 4, 2010		

⁵ Assignment dated July 17, 1990 from Marius Robert Junier assigning all right, title and interest in "Water Cooled Gate Valve" to Triten Corporation and filed with the United States Patent and Trademark Office on August 24, 1990.

⁶ Assignment dated June 8, 1990 from Marius Robert Junier assigning all right, title and interest in "Diverter Valve" to Triten Corporation and filed with the United States Patent and Trademark Office on July 7, 1990.

⁷ Designated countries are as follows: Australia, Belgium, Switzerland, Liechtenstein, Germany, Denmark, Spain, France, Great Britain, Greece, Italy, Luxembourg, The Netherlands and Sweden.

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Reference Number	Title	Country/Region	Patent Number	Issuance Date	Expiration Date	Inventor	Ownership
		PCT ⁸		Application filed November 27, 1991			
		Japan	2856948	November 27, 1998	July 3, 2011		
W-2027	Ceramic Slide Valve	United States	5,301,712	April 12, 1994	Lapsed 2001	Lee E. Treichel Gary J. Baumgartner	Tapco International ⁹
		Germany	DE 4403517		Abandoned		
		Japan	JP 7035245		Abandoned		
TRIE 027	Butterfly Valve	United States	5,269,493	December 14, 1993		Marius Robert Junier	Triten Corporation ¹⁰
TP-061-CA	Control Valve for Flow of Solids	Canada	1186672	May 7, 1988	May 17, 2005	Frank J. Jandras F. Rangle	
TP-065-CA	Slide Valve	Canada	1222454	July 21, 1987	July 21, 2004	Frank J. Jandras G. Davy Walter J. Stinson	

⁸ Designated countries are as follows: Canada, Japan, Republic of Korea, Soviet Union and United States.

⁹ Assignment dated July 19, 1993 from Lee E. Treichel and July 14, 1993 from Gary J. Baumgartner assigning all right, title and interest in "Ceramic Slide Valve" to Tapco International and filed with the United States Patent and Trademark Office on August 12, 1993.

¹⁰ Assignment dated January 22, 1993 from Marius Robert Junier assigning all right, title and interest in "Butterfly Valve" to Triten Corporation and file with the United States Patent and Trademark Office on January 27, 1993.

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Reference Number	Title	Country/Region	Patent Number	Issuance Date	Expiration Date	Inventor	Ownership
W-2023 EPC	Slide Valve	United States	Application Number 081527511		Abandoned by failure to respond to Official Action due January 29, 1997	Howard A. Purvis	Tapco International, Inc. ¹¹
		European	0559832	March 3, 1996	Abandoned		
		Japan	Application Number 4-503678	Application filed on March 11, 1987	Abandoned		
		PCT					
TP-066-CA	Valve Operator Control System	Canada	1215697	December 23, 1986	December 23, 2003	Walter J. Stinson L. Phillips	
W-2036 EPC	Plug Valve	United States	Re-issue Number 36,121	Re-issued March 2, 1999		Marius Robert Junier	Triten Corporation ¹²
		European ¹³	0713038				
		Japan	Application Number 7-296,696	Application filed October 3, 1996			

¹¹ Assignment dated May 5, 1993 from Howard A. Purvis assigning all right, title and interest in "Slide Valve" to Tapco International, Inc.

¹² Assignment dated November 3, 1994 from Marius Robert Junier assigning all right, title and interest in "Plug Valve" to Triten Corporation and filed with the United States Patent and Trademark Office on November 16, 1994.

¹³ Designated countries are as follows: France, Germany, Great Britain, Italy and The Netherlands.

PATENTS

Reference Number	Title	Country/Region	Patent Number	Issuance Date	Expiration Date	Inventor	Ownership
W-2051	Slide Valve with Welded Internals	United States	6,354,324 (Version 1)	March 12, 2002	July 12, 2020	Marius Robert Junier	Tapco International, Inc. ¹⁴
			6050288 (Version 2)	April 18, 2000			
		United States Original	Application Number 09/007,666	Application filed January 15, 1998	Abandoned		
			Australia	738906 (Version 1)	January 10, 2002		
		Brazil	Application Number 39275/00 (Version 2)	Application filed March 28, 2000	Pending		
			Application Number P19906921-0 (Version 1)	Application filed January 14, 1999	Pending		
			Application Number P10013403-1 (Version 2)	Application filed March 28, 2000	Pending		

¹⁴ Assignment dated June 29, 2000 from Marius Robert Junier assigning all right, title and interest in "Slide Valve with Welded Internals" to Tapco International, Inc. and filed with the United States Patent and Trademark Office on July 12, 2000 regarding U.S. Patent Number 6,354,324.

Assignment dated August 12, 1999 from Marius Robert Junier assigning all right, title and interest in "Slide Valve with Welded Internals" to Tapco International, Inc. and filed with the United States Patent and Trademark Office on August 17, 1999 regarding U.S. Patent Number 6050288.

Assignment regarding U.S. Application No. 09/007,666 dated January 13, 1998 filed with the United States Patent and Trademark Office on February 23, 1998 thereafter assignment from Triten Corporation to Tapco International, Inc. dated July 28, 1998 and filed with the United States Patent and Trademark Office on August 21, 1998.

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Reference Number	Title	Country/Region	Patent Number	Issuance Date	Expiration Date	Inventor	Ownership
		Canada	Application Number 2,317,647 (Version 1)	Application filed January 14, 1999	Pending		
			Application Number 2,317,647 (Version 2)	Application filed March 28, 2000	Pending		
		European	Application Number 99902258.5 (Version 1)	Application filed January 14, 1999	Pending		
			Application Number 00918473.0 (Version 2)	Application filed March 28, 2000	Pending		
		Japan	Application Number 540386 (Version 1)	Application filed January 14, 1999	Pending		
			Application Number 2001-517079 (Version 2)	Application filed March 28, 2000	Pending		
		International	Application Number US99/00825 (Version 1)	Application filed January 14, 1999	Completed		
			Application Number US00/08206 (Version 2)	Application filed March 28, 2000	Completed		

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Reference Number	Title	Country/Region	Patent Number	Issuance Date	Expiration Date	Inventor	Ownership
W-2052	Iron Ore Slide Valve with Internal Support Clamp	United States	6,109,590	August 29, 2000		Andre F. Koerner	Tapco International, Inc. ¹⁵
		Australia	Application Number 26691/99	Application filed February 10, 1999	Pending		
		Brazil	Application Number PI9908984-0	Application filed February 10, 1999	Pending		
		Canada	Application Number 2,319,488	Application filed February 10, 1999	Pending		
		European ¹⁶	Application Number 99906883.6	Application filed February 10, 1999	Pending		
		Japan	Application Number 531682	Application filed February 10, 1999	Pending		
		International	Application Number US99/02876	February 10, 1999	Completed		

¹⁵ Assignment dated February 6, 1998 from Andre F. Koerner assigning all right, title and interest in "Iron Ore Slide Valve with Internal Support Clamp" to Tapco International, Inc. and filed with the United States Patent and Trademark Office on February 12, 1998.

¹⁶ Designated countries are as follows: France, Great Britain, Italy and The Netherlands.

PATENTS

Reference Number	Title	Country/Region	Patent Number	Issuance Date	Expiration Date	Inventor	Ownership
W-2053	Butterfly Valve with Offset Stem	United States	5,979,870	November 9, 1999		Marius Robert Junier	Tapco International ¹⁷
		International	Application Number US99/04368	Application filed February 26, 1999	Not completed		
W-2057	Improved Assembly of Orifice Gainers Progressively Reducing Operating Pressure for Large Gas Flows	United States	6,170,528	January 9, 2001	July 26, 2019	Marius Robert Junier	Tapco International
		Canada	Application Number 2,380,274	Application filed July 27, 2000	Pending		
		European ¹⁸	Application Number 00963773.7	Application filed July 26, 2000	Pending		
		Japan	Application Number 2001-512192	Application filed July 26, 1999	Pending		
		International	Application Number US00/40481	Application filed July 26, 2000	Completed		

¹⁷ Assignment dated February 20, 1998 from Marius Robert Junier assigning all right, title and interest in "Butterfly Valve with Offset Stem" to Tapco International, Inc. and filed with the United States Patent and Trademark Office on June 12, 1998.

¹⁸ Designated countries are as follows: Germany, France, United Kingdom and The Netherlands.

PATENTS

Reference Number	Title	Country/Region	Patent Number	Issuance Date	Expiration Date	Inventor	Ownership
W-2069	Improved Slide Valve with Wedging System	United States	Application Number 09/767,548	Application filed January 23, 2001	Pending	Andre F. Koerner	Tapco International, Inc. ¹⁹
		International	Application Number 02/01791	Application filed January 23, 2002	Pending		

¹⁹ Assignment dated January 18, 2001 from Andre F. Koerner assigning all right, title and interest in "Improved Slide Valve with Wedging System" to Tapco International, Inc. and filed with the United States Patent and Trademark Office on January 23, 2001.

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3374680

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the JOINT ASSIGNEES TO CURTISS-WRIGHT FLOW CONTROL CORPORATION, AND CURTISS-WRIGHT FLOW CONTROL (U.K), LTD previously recorded on Reel 017388 Frame 0308. Assignor(s) hereby confirms the ASSIGNEE CURTISS-WRIGHT FLOW CONTROL CORPORATION, A NEW JERSEY CORPORATION WAS INCORRECT ON THE PREVIOUSLY RECORDED ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
TAPCO INTERNATIONAL, INC.	11/21/2002

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PROPERTY NUMBERS Total: 3

Property Type	Number
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Patent Number:	6109590
Patent Number:	5979870

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