

02-26-03

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Form PTO-158 (Rev. 10/02)		REC	03-05-2003	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
OMB No. 0651-0027 (exp. 6/30/2005)					
Tab settings					
To the Honorable Commissioner of Patents		102380383		Additional documents or copy thereof.	
1. Name of conveying party(ies): THATCHER TUBES LLC		2. Name and address of receiving party(ies) Name: SILGAN TUBES CORPORATION Internal Address: _____ Street Address: 14515 N. Outer Forty City: Chesterfield State: MO Zip: 63017			
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____					
Execution Date: 01/15/2003					
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) 09/771,190 B. Patent No.(s) _____ See Attached List Additional numbers attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Steven J. Moore Internal Address: _____ Street Address: Pillsbury Winthrop LLP 1600 Tysons Boulevard City: McLean State: VA Zip: 22102		6. Total number of applications and patents involved: 24 7. Total fee (37 CFR 3.41).....\$ 960.00 <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 03-3975			
DO NOT USE THIS SPACE					
9. Signature. Steven J. Moore (Reg. No. 35,959) February 25, 2003 Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and documents: 14					

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

02/05/2003 ECDPER 00000022 09771190

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PATENT
REEL: 013798 FRAME: 0072

Continuation of Form PTO-1595, Item 4B
Recordation Form Cover Sheet – PATENTS ONLY

4,666,063
4,776,494
4,723,902
4,844,250
4,844,302
5,069,856
5,203,379
5,238,148
5,322,658
5,746,356
5,797,518
5,918,783
5,911,344
6,334,767
6,221,189
6,136,247
6,129,880
6,047,525
6,334,767
6,165,395
D414,688
D423,355
D449,524

ASSIGNMENT OF PATENTS

THIS AGREEMENT, made this 15h day of January, 2003 by and between Thatcher Tubes LLC, a Delaware limited liability company (hereinafter "Assignor") Silgan Tubes Corporation, a Delaware corporation (hereinafter "Assignee").

WHEREAS, Assignor and Assignee are parties to that certain Asset Purchase Agreement dated as of the date hereof (the "Purchase Agreement") by and among the Assignor, Assignee and the other signatories thereto;

WHEREAS, Assignor, as set forth in the Purchase Agreement, is the owner and in full possession of any and all patents or patent applications that may be or have been granted therefore as fully set forth in the Purchase Agreement and Schedules thereto and are listed on **Exhibit "A"** attached hereto and made a part hereof (hereinafter collectively called the "Patents");

WHEREAS, Assignor has agreed to transfer the entire ownership of the Patents to Assignee pursuant to the Purchase Agreement;

NOW THEREFORE, for good and other valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the parties agree as follows:

(1) Assignor does hereby sell, assign and transfers to Assignee, its successors and assigns, free and clear of all liens and encumbrances, the entire right, title and interest in and to the Patents, and the inventions disclosed therein, both in the United States and in all foreign countries, including all continuations, continuations-in-part, divisions, renewals, extensions and reissues of any applications filed and patents granted, the right to claim all benefits and priority rights under any applicable convention, and the right to sue for all past and future infringements and to collect all past and future damages and royalties accruing therefrom;

(2) Assignor, and any legal representative of Assignor will assist the Assignee in the prosecution of any patent applications or patents listed in **Exhibit "A"**, including any pending or anticipated application(s), and vesting in Assignee exclusive title to the same, including executing and delivering to Assignee any papers which may be requested by Assignee to carry out the terms of this Assignment. Assignor further covenants and agrees to assist, and that it will assist Assignee in any interference proceedings involving said Patents, and in any litigation involving said Patents, and will assist Assignee in the ascertainment of facts and the production of evidence relating to said Patents.

(3) In the event it is found that **Exhibit "A"** contains inadvertent errors of omission or inclusion, Assignor and Assignee agree that **Exhibit "A"** may be amended by mutual agreement by the addition or deletion of Patents or patent applications.

(4) Assignor does hereby authorize and request the United States Commissioner of Patents and Trademarks to record this Assignment in the United States Patent and Trademark Office and to issue any and all patents that may be granted pursuant to this Assignment to Assignee.

[Signature Page Follows]

IN WITNESS WHEREOF, Assignor intends to be legally bound as of the day and year first written above.

ASSIGNOR:

THATCHER TUBES, LLC

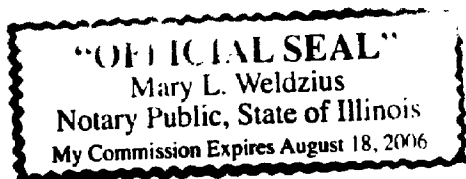
By: [Signature]
Name: Roger Sim
Title: VP

STATE OF Illinois)
COUNTY OF Cook) SS:

I, Mary L. Weldzius, a notary public in and for, and residing in the said County in the State aforesaid, DO HEREBY CERTIFY, that Roger Sim, the VP of Manager of Thatcher Tubes, LLC is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person, and acknowledged that he/she signed, sealed and delivered said instrument as the free and voluntary act of Roger Sim, the VP of Manager of Thatcher Tubes, LLC for the uses and purposes therein set forth.

GIVEN under my hand and notarial seal, this 11th day of January, 2003.

Mary L. Weldzius
Notary Public



Revised
December 23, 2002

THATCHER TUBES LLC

HOLOUBEK, ANTHONY, HARMS
"Container with Twist-off Tamper Evident Feature"
(Tote)

<u>File</u>	<u>Country</u>	Pat. No. or * <u>Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
84183	U.S.	4,666,063	8/23/85	5/19/87	8/23/05

HOLOUBEK
"Unit Dose Dispensing Collapsible Tube Adapted to
Dispense a Viscous Liquid Therefrom"
(Unit Dose)

<u>File</u>	<u>Country</u>	Pat. No. or * <u>Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
87172	U.S.	4,776,494	9/14/87	10/11/88	9/14/07

ERICKSON
"Balanced Flow Extrusion Crosshead and Die Assembly"
(Balanced Flow)

<u>File</u>	<u>Country</u>	Pat. No. or * <u>Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
86128	U.S.	4,723,902	8/21/86	2/09/88	8/21/06

HOLOUBEK, RHOADES
"Tamper Evident Container Assembly"
(Lip Balm)

<u>File</u>	<u>Country</u>	Pat. No. or <u>*Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
87176	U.S.	4,844,250	11/16/87	7/04/89	11/16/07

LAY
"Two-Part Closure Assembly"
(Liquid Detergent Dispenser)

<u>File</u>	<u>Country</u>	Pat. No. or <u>*Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
88044	U.S.	4,844,302	7/11/88	7/04/89	7/11/08

HOLOUBEK, RHOADES
"Method of Forming a Headed Thermoplastic Tube"
(Henry Patent)

<u>File</u>	<u>Country</u>	Pat. No. or <u>*Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
90139	U.S.	5,069,856	9/12/90	12/03/91	9/12/10
91357	Japan	2,922,029	9/12/91	4/30/99	9/12/11
91358	EPO ⁽²⁾	0475126	8/19/91	4/16/97	8/19/11
91359	Brazil	9103919-3	9/09/91	10/03/00	9/09/11
91360	S. Africa	91/6244	8/07/91	5/27/92	8/07/11
91361	Norway	309313	9/11/91	1/15/01	9/11/11

HOLOUBEK & RHOADES
 "Headed Thermoplastic Tube"
 (Div. of 5,069,856)

<u>File</u>	<u>Country</u>	Pat. No. or <u>*Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
91370	U.S.	5,203,379	8/13/91	4/20/93	8/13/11

HOLOUBEK & RHOADES
 "Thermoplastic Composite Layered Squeeze Tube"
 (Clear View Stripe)

<u>File</u>	<u>Country</u>	Pat. No. or <u>*Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
92149	U.S.	5,238,148	8/10/92	8/24/93	8/10/12
93088	India	182228	7/30/93	1/05/00	7/30/07
93091	Mexico	183,710	8/09/93	1/08/97	8/09/13
95009	Canada	2,142,094	8/04/93	4/04/00	8/04/13
95011	EPO ⁽³⁾	652,839	8/04/93	7/16/97	8/04/13

HOLOUBEK & RHOADES
 "Method of Making a Thermoplastic Composite Layered Squeeze Tube"
 (Div. of US 5,238,148)

<u>File</u>	<u>Country</u>	Pat. No. or <u>*Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
93014	U.S.	5,322,658	2/17/93	6/21/94	2/17/13

RONALD E. KIERAS
 "Method of Decorating Multi-Layered Plastic Tubes"
 (Multi Layer Decoration)

<u>File</u>	<u>Country</u>	Pat. No. or * <u>Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
96045	U.S.	(Abandoned)			
97046	EPO ⁽⁵⁾	0829340	7/29/97	9/13/00	7/29/17
97047	Japan	3034488	8/25/97	2/18/00	8/25/17
97051	Canada	2,210,317	7/14/97	11/27/01	7/14/17

RONALD E. KIERAS
 "Rotatable Spout Dispensing Tube"

<u>File</u>	<u>Country</u>	Pat. No. or * <u>Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
96012	U.S.	5,746,356	12/02/96	5/05/98	12/02/16

RONALD E. KIERAS
 "Twist Cap Dispensing Flexible Tube"

<u>File</u>	<u>Country</u>	Pat. No. or * <u>Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
96013	U.S.	5,797,518	12/18/96	8/25/98	12/18/16

KIERAS & EKSTROM
 "Thermoplastic Squeeze Tube With Self-Sealing
 Dispensing Orifice"

<u>File</u>	<u>Country</u>	Pat. No. or <u>*Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
97013	U.S.	5,918,783	6/26/97	07/06/99	06/26/17
98075	EPC ⁽⁴⁾	*98111734.4*	6/25/98		
98076	Canada	*2241735*	6/25/98		

RONALD E. KIERAS
 "Rigid Thermoplastic Squeeze Container Having
 Self-Sealing Dispensing Valve"

<u>File</u>	<u>Country</u>	Pat. No. or <u>*Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
97034	U.S.	5,911,344	11/21/97	6/15/99	11/21/17
99038	Canada	*2,277,948*	7/14/99		

KIERAS & RHOADES
 "MACHINE FOR MANUFACTURING THERMOPLASTIC TUBES"

<u>File</u>	<u>Country</u>	Pat. No. or <u>*Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
98067	U.S.	6,334,767	11/25/98	01/01/02	11/25/18

DEBORAH L. LOEB & JAMES A. NASS
 "Applicator Tube"

<u>File</u>	<u>Country</u>	Pat. No. or <u>*Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
98016	U.S.	Des 414,688	3/19/98	10/05/99	10/05/13

RONALD E. KIERAS & JOHN J. RHOADES
 "Method For Manufacturing Thermoplastic Tubes"
 (Besok Method)

<u>File</u>	<u>Country</u>	Pat. No. or *Ser. No.*	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
98048	U.S.	6,221,189	11/25/98	4/24/01	11/15/18

JOHN J. RHOADES
 "Method Of Forming A Headed Thermoplastic Tube"
 (Improved Henry)

<u>File</u>	<u>Country</u>	Pat. No. or *Ser. No.*	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
98049	U.S.	6,136,247	11/25/98	10/24/00	11/25/18

RONALD E. KIERAS and JOHN J. RHOADES
 "Method Of Forming A Headed Thermoplastic Tube
 With A Reusable Closure"
 (Mold In Cap)

<u>File</u>	<u>Country</u>	Pat. No. or *Ser. No.*	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
98070	U.S.	6,129,880	11/25/98	10/10/00	11/25/18
99083	EPO ⁽⁴⁾	*99123441.0*	11/24/99		
99084	Poland	*P-336-750*	11/25/99		
99085	Canada	*2,290,313*	11/24/99		
99086	Mexico	*9910857*	11/24/99		
99087	Japan	*333483/1999*	11/24/99		

RONALD E. KIERAS and JOHN J. RHOADES
 "Plant For Manufacturing And Packing
 Thermoplastic Tubes"
 (Besok Plant)

<u>File</u>	<u>Country</u>	Pat. No. or * <u>Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
98072	U.S.	6,047,525	11/25/98	04/11/00	11/25/18

RONALD E. KIERAS and JOHN J. RHOADES
 "Machine For Manufacturing Thermoplastic Tubes"
 (Besok Apparatus)

<u>File</u>	<u>Country</u>	Pat. No. 6,334,767 or * <u>Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
98067	U.S.	6,334,767	11/25/98	01/01/02	11/25/18

KIERAS, RHOADES & FRAZIER
 "Process Control Method For A Machine For Manufacturing
 Thermoplastic Tubes"
 (Besok Control)

<u>File</u>	<u>Country</u>	Pat. No. or * <u>Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
98068	U.S.	6,165,395	11/25/98	12/26/00	11/25/18

DEBORAH L. LOEB & JAMES A. NASS
 "Applicator Tube Head"

<u>File</u>	<u>Country</u>	Pat. No. or <u>*Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
98105	U.S.	Des 423,355	9/08/98	4/25/00	4/25/14

RONALD E. KIERAS, JOHN J. RHOADES
 "Machine & Method For Manufacturing Thermoplastic Tubes"
 (98048 and 98067 combined)

<u>File</u>	<u>Country</u>	Pat. No. or <u>*Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
98119	EPC ⁽⁴⁾	*99101341.8*	01/25/99		
98120	China	*99100442.6*	01/29/99		
98121	Indonesia	*P990065*	01/29/99		
98122	India	*170/Del/99*	01/29/99		
98123	Poland	*P-331,120*	01/29/99		
98124	Canada	*2,260,461*	01/27/99		
98125	Brazil	*9900309-0*	01/29/99		
98126	Mexico	*991009*	01/27/99		
98127	Argentina	*990100390*	01/29/99		
98128	Venezuela	*132-99*	01/29/99		
98129	Japan	3234581	01/29/99	9/21/01	1/29/19
98129A	Japan	*48981/2001*	02/23/01		

RONALD E. KIERAS
"Method Of Forming Plastic Tubes With Oriented Labeling"

<u>File</u>	<u>Country</u>	Pat. No. or <u>*Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
00081	U.S.	*771,190*	01/26/01		

RONALD E. KIERAS
"Squeezable Dispensing Tube and Cap" (Design)

<u>File</u>	<u>Country</u>	Pat. No. or <u>*Ser. No.*</u>	<u>Fil. Date</u>	<u>Pat. Date</u>	<u>Expiration</u>
00088	U.S.	D449,524	02/09/01	10/23/01	10/23/15

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- (1) Designated Countries are: France, Germany, Great Britain, Italy, Sweden and Switzerland.
 - (2) Designated Countries are: Austria, Belgium, Switzerland, Germany, Denmark, Spain, France, Great Britain, Greece, Italy, Liechtenstein, Luxembourg, Netherlands, Sweden
 - (3) Designated countries are: Austria, Switzerland, Germany, Spain, France, Great Britain and Italy
 - (4) Designated countries are: Austria, Denmark, Sweden, Belgium, Spain, France, Switzerland and Liechtenstein, Italy, Netherlands, Germany, Great Britain and Luxembourg.
 - (5) Designated countries are: France, Germany, Great Britain and Switzerland.