

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6236515

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST IN CERTAIN PATENT COLLATERAL	
CONVEYING PARTY DATA		
Name		Execution Date
DEUTSCHE BANK AG CAYMAN ISLANDS BRANCH, AS COLLATERAL AGENT AND GRANTEE		08/05/2020
RECEIVING PARTY DATA		
Name:	GRAHAM PACKAGING COMPANY, L.P.	
Street Address:	700 INDIAN SPRINGS DRIVE, SUITE 100	
City:	LANCASTER	
State/Country:	PENNSYLVANIA	
Postal Code:	17601-1266	
PROPERTY NUMBERS Total: 485		
Property Type	Number	
Patent Number:	D308483	
Patent Number:	D307392	
Patent Number:	D308166	
Patent Number:	D357509	
Patent Number:	D380682	
Patent Number:	D396810	
Patent Number:	D392568	
Patent Number:	D389065	
Patent Number:	D417621	
Patent Number:	D394811	
Patent Number:	D401154	
Patent Number:	D430022	
Patent Number:	D429646	
Patent Number:	D460696	
Patent Number:	D430021	
Patent Number:	D444067	
Patent Number:	D443518	
Patent Number:	D430020	
Patent Number:	D451807	

PATENT

Property Type	Number
Patent Number:	D429648
Patent Number:	D443825
Patent Number:	D408742
Patent Number:	D409093
Patent Number:	D427072
Patent Number:	D427073
Patent Number:	D449535
Patent Number:	D472815
Patent Number:	D485762
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Patent Number:	D371741
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Patent Number:	D337525
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Patent Number:	D315869
Patent Number:	D354685
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Patent Number:	D385497
Patent Number:	D414104
Patent Number:	D352245
Patent Number:	D445036
Patent Number:	D393802
Patent Number:	D480006
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Patent Number:	5552198
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Patent Number:	5060830
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Property Type	Number
Patent Number:	6648188
Patent Number:	4755404
Patent Number:	5411699
Patent Number:	5332121
Patent Number:	4710118
Patent Number:	5520877
Patent Number:	5303834
Patent Number:	6572912
Patent Number:	6675680
Patent Number:	5301838
Patent Number:	5198248
Patent Number:	5884792
Patent Number:	5599496
Patent Number:	6194536
Patent Number:	4853171
Patent Number:	4989757
Patent Number:	5429789
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Patent Number:	5853829
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Patent Number:	6179143
Patent Number:	5728347
Patent Number:	6787094
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Patent Number:	6444158
Patent Number:	6615473
Patent Number:	4927680
Patent Number:	5049345
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Patent Number:	6508375
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Patent Number:	4911635

Property Type	Number
Patent Number:	5188849
Patent Number:	5232107
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Patent Number:	5082439
Patent Number:	5230502
Patent Number:	5783637
Patent Number:	5962096
Patent Number:	6127011
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Property Type	Number
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Patent Number:	4601926
Patent Number:	4622199
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Patent Number:	4731513
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Patent Number:	5971184
Patent Number:	5507402
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Patent Number:	D344457
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Application Number:	10384740
Application Number:	10752538

Property Type	Number
Application Number:	10795510
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Application Number:	10384683
Application Number:	10340044
Application Number:	10429919
Application Number:	10426963
Application Number:	10412336
Application Number:	10413304
Application Number:	10368524
Application Number:	10370571
Application Number:	10662879
Application Number:	10366617
Application Number:	10366574
Application Number:	10370702
Application Number:	10368557
Application Number:	10630982
Application Number:	10428035
Application Number:	10431570
Application Number:	10658797
Application Number:	10600537
Application Number:	10712105
Application Number:	10727042
Application Number:	10426970
Application Number:	10426964
Application Number:	10662878
Application Number:	10733647
Application Number:	10705501
Application Number:	10813301
Application Number:	10740761
Application Number:	10705502
Application Number:	10682925
Application Number:	10669792
Application Number:	10682023

Property Type	Number
Application Number:	10697276
Application Number:	10830131
Application Number:	10752575
Application Number:	10814632
Application Number:	10807443
Application Number:	10851083
Application Number:	10851086
Patent Number:	D536983
Patent Number:	7435073
Patent Number:	D526569

CORRESPONDENCE DATA

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Phone: 202-370-4756

Email: ipteam@cogencyglobal.com

Correspondent Name: JAY DASILVA

Address Line 1: 1025 VERMONT AVE NW, SUITE 1130

Address Line 2: COGENCY GLOBAL INC.

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER: 1250869

NAME OF SUBMITTER: CHRISTIAN CRAFT

SIGNATURE: /Christian Craft/

DATE SIGNED: 08/05/2020

Total Attachments: 25

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**RELEASE OF SECURITY INTEREST
IN CERTAIN PATENT COLLATERAL**

This **RELEASE OF SECURITY INTEREST IN CERTAIN PATENT COLLATERAL**, dated as of August 5, 2020 (this "Release"), is made by **DEUTSCHE BANK AG CAYMAN ISLANDS BRANCH**, in its capacity as collateral agent pursuant to that certain Second-Lien Credit Agreement dated as of October 7, 2004 by and among, Graham Packaging Company, L.P., the Collateral Agent and the other parties party thereto from time to time (as amended, restated, amended and restated, supplemented or otherwise modified prior to the date hereof) and in its capacity as grantee pursuant to that Patent Security Agreement (as defined below) (in such capacities, the "Grantee"), in favor of **GRAHAM PACKAGING COMPANY, L.P.** (the "Grantor").

W I T N E S S E T H

WHEREAS, the Grantor is party to that certain Security Agreement dated as of October 7, 2004 (as amended, restated, amended and restated, supplemented or otherwise modified prior to the date hereof, the "Security Agreement") in favor of the Grantee pursuant to which the Grantor executed and delivered the patent security agreement described below;

WHEREAS, pursuant to that certain Grant of Security Interest in United States Patents, dated as of October 7, 2004, and recorded with the U.S. Patent and Trademark Office on January 6, 2005, at Reel/Frame No. 015552/0299 (as amended, restated, amended and restated, supplemented or otherwise modified prior to the date hereof, the "Patent Security Agreement"), the Grantor granted to the Grantee a continuing security interest in all right, title or interest in, to or under, the Patents of such Grantor described therein, including, without limitation, the United States patents and patent applications set forth on Schedule A attached hereto (such patents and patent applications, the "Released Patents");

WHEREAS, the Grantor has requested that the Grantee release its security interest in the Released Patents;

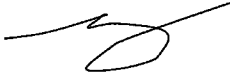
NOW, THEREFORE, the Grantee, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, without recourse, representation or warranty of any kind or nature, and at the Grantor's sole cost and expense, hereby terminates, cancels, discharges and releases its security interest in all right, title and interest in, to or under the Released Patents.

The Grantee authorizes and requests that the Commissioner of Patents and Trademarks and any other applicable government officer record this Release with the U.S. Patent and Trademark Office at the Grantor's sole cost and expense.

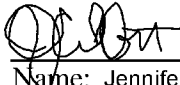
[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the Grantee has caused this Release to be executed and delivered by its duly authorized officer as of the date first written above.

**DEUTSCHE BANK AG CAYMAN
ISLANDS BRANCH,**
as Collateral Agent and Grantee

By: 

Name: Philip Tancorra
Title: Vice President
philip.tancorra@db.com
212-250-6576

By: 

Name: Jennifer Culbert - VP
Title: jennifer-a.culbert@db.com
212 250 0738

[Signature Page to Release of Security Interest in Certain Patent Collateral]

PATENT
REEL: 053414 FRAME: 0017

SCHEDULE A
RELEASED PATENTS

Serial Number	File Date	Subject	Patented Dt	Patented No
Design Patents and Applications				
19381	2/26/1987	PLASTIC BOTTLE WITH NOZZLE	6/12/1990	D-308483
88790	8/24/1987	PLASTIC BOTTLE	4/24/1990	D-307392
156150	2/16/1988	DUAL FINISH PLASTIC BOTTLE (LIQUID DUSTER)	5/29/1990	D-308166
5384	3/3/1993	COMBINED PLASTIC CONTAINER AND TOY BUILDING BLOCK	4/18/1995	D-357509
44788	9/29/1995	JUG WITH HANDLE	7/8/1997	D-380682
70365	4/29/1997	PLASTIC CONTAINER	8/1/1/1998	D-396810
63492	12/9/1996	ANGLE NECK BOTTLE	1/1/1/1900	
63491	12/9/1996	CONTAINER	3/24/1998	D-392568
85954	4/2/1998	BOTTLE WITH HANDLE DESIGN	1/13/1998	D-389065
73938	7/24/1997	STOCK JUICE CONTAINER WITH HANDLE DESIGN	12/14/1999	D-417621
83225	2/5/1998	DESIGN FOR WIDE MOUTH BOTTLE WITH HANDLE	6/2/1998	D-394811
111349	9/24/1999	SINGLE-SERVICE JUICE CONTAINER	11/17/1998	D-401154
111344	9/24/1999	SINGLE-SERVICE JUICE CONTAINER	8/29/2000	D-430022
111348	9/24/1999	SINGLE-SERVICE JUICE CONTAINER	8/22/2000	D-429646
111347	9/24/1999	SINGLE-SERVICE JUICE CONTAINER	7/23/2002	D-460696
112648	10/21/1999	SINGLE-SERVICE JUICE CONTAINER	8/29/2000	D-430021
112649	10/21/1999	SINGLE-SERVICE JUICE CONTAINER	6/26/2001	D-444067
111346	9/24/1999	SINGLE-SERVICE JUICE CONTAINER	6/12/2001	D-443518
111345	9/24/1999	SINGLE-SERVICE JUICE CONTAINER	8/29/2000	D-430020
112650	10/21/1999	SINGLE-SERVICE JUICE CONTAINER	12/11/2001	D-451807
112651	10/21/1999	SINGLE-SERVICE JUICE CONTAINER	8/22/2000	D-429648
89986	6/26/1998	WINDEX BOTTLE	6/19/2001	D-443825
89955	6/26/1998	WINDEX BOTTLE WITH GRIP FEATURE	4/27/1999	D-408742
99757	1/28/1999	TEARDROP SHAPED BOTTLE (TOTTLE)	5/4/1999	D-409093
100940	2/22/1999	TEARDROP SHAPED BOTTLE (TOTTLE)	6/27/2000	D-4-27072
122246	4/20/2000	DRAINBACK CONTAINER	6/27/2000	D-427073
152522	12/21/2001	CONTAINER	10/23/2001	D-449535
156582	2/28/2002	PACKAGE	4/8/2003	D-472815
29/171797	11/27/2002	DECANTER-STYLE PET CONTAINER	6/3/2003	D-75297
157450	3/18/2002	ROUND SINGLE-SERVE HOTFILL CONTAINER	1/27/2004	D-485762
29/153425	1/7/2002	CONTAINER	6/24/2003	D-476236
176410	2/21/2003	SPAGHETTI SAUCE HOTFILL CONTAINER	9/16/2003	D-479690
			1/1/1/1900	

Serial Number	File Date	Subject	Patented Dt	Patented No
179706	4/14/2003	OBLONG STOCK BBQ SAUCE BOTTLE	1/1/1900	
182009	5/19/2003	LIQUOR FLASK DESIGN	9/7/2004	D-495609
D181824	5/15/2003	LIQUOR BOTTLE	1/1/1900	
29/195351	12/10/2003	STOCK SALSA CONTAINER	1/1/1900	
29/208003	6/22/2004	16 OZ. HOT-FILL CONTAINER	1/1/1900	
29/205804	5/20/2004	HOT-FILL CONTAINER VACUUM ""WINDOWS""	1/1/1900	
39940	6/7/1995	TRIGGER SPRAY BOTTLE DESIGN	7/16/1996	D-371741
773288	10/9/1991	CONTAINER BODY FOR LIQUIDS HAVING INTERNALLY RIBBED	9/28/1993	D339747
773287	10/9/1991	CONTAINER BODY FOR LIQUIDS HAVING RECESSED LABEL RECEIVING	6/20/1993	D337525
07/676256	2/28/1991	CONTAINER BODY PANEL (DESIGN)	7/20/1993	D337520
295849	1/11/1989	CONTAINER BODY FOR LIQUIDS OR THE LIKE	4/2/1991	D-315869
29/007382	4/21/1993	CONTAINER WITH END GRIP (DESIGN)(RELATED CASES: 7169; 7185)	1/24/1995	D354685
29/007385	4/21/1993	CONTAINER WITH END GRIP (DESIGN)(RELATED CASES: 7168; 7185)	8/19/1997	D382485
32527	12/20/1994	CONTAINER SIDEWALL WITH END GRIP.	10/28/1997	D-385497
70363	4/29/1997	DUAL TUBE ASSEMBLY	9/21/1999	D-414104
29/004990	2/18/1993	VACUUM PANEL CONTAINER (DESIGN)	11/8/1994	D352245
118258	2/3/2000	PLASTIC JUICE BOTTLE	7/17/2001	D-445036
29/064486	1/2/1997	CONTAINER WITH WAIST RIBS (RELATED CASE: 7195)	4/28/1998	D393802
168668	10/4/2002	CONTAINER	1/1/1900	
29/157393	3/15/2002	CONTAINER	9/30/2003	D-480006
29/189250	8/29/2003	DECANTER-STYLE PET CONTAINER	4/13/2004	D-488385
D071728	6/2/1997	STOCK SALSA BOTTLE	1/1/1900	
Utility Patents and Applications				
154413	11/19/1993	LIGHTWEIGHT CONTAINER UTILIZING PCR FILM	9/3/1996	5552198
048145/08	4/15/1993	PREFORM COATING APPARATUS METHOD.	4/23/1996	5509965
08/031045	3/26/1993	FREESTANDING CONTAINER WITH IMPROVED COMBINATION OF MULTILAYER PREFORM AND CONTAINER WITH PEN (RELATED CASES:	6/27/1995	5427258
08/349173	12/7/1994	MULTILAYER PREFORM AND CONTAINER WITH PEN (RELATED CASES:	5/13/1997	5628957
08/534126	9/26/1995	PREFORM AND CONTAINER WITH CRYSTALIZED NECK FINISH AND APPARATUS AND METHOD FOR MAKING MULTILAYER PREFORMS	4/17/2001	6217818
08/981467	7/8/1996	DEGRADABLE PLASTIC	8/6/2002	6428737
920296	10/17/1986	DEGRADABLE PLASTIC	12/1/1987	4709808
919981	10/17/1986	SELF-DRAINING CLOSURE FINISH	12/22/1987	4714741
533632	6/5/1990	LIQUID DISPENSER SYSTEM	5/19/1992	5114659
463699	1/11/1990	BC-3 INJECTED FINISH FLEXIBLE TUBE	10/29/1991	5060830
735580	10/23/1996	IT-4 ROTARY CAPPER/TRIMMER	9/1/1998	5800770
356936	12/15/1994		4/22/1997	5621960

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09/776434	2/2/2001	BLOWN DBS WITH NO TRANSITION	1/1/8/2003	6648188
10/676394	10/1/2003	REVERSE THRU THE WALL - A BUSINESS METHOD	1/1/1/1900	
12951	2/10/1987	REFILLABLE POLYESTER BEV. BOTTLE & PREFORM FOR FORMING	7/5/1988	4755404
08/086103	7/2/1993	MODULAR MOLD (RELATED CASE: 7000)	5/2/1995	5411699
07/994681	12/22/1992	SQUEEZABLE MULTILAYER DISPENSING CONTAINER WITH ONE-WAY	7/26/1994	5332121
861854	5/12/1986	APPARATUS FOR FORMING PREFORMS WITH INTERNAL BARRIER	12/1/1987	4710118
08/082029	6/30/1993	METHOD OF FORMING CONTAINER WITH HIGH CRYST. SIDEWALL AND	5/28/1996	5520877
08/019023	2/18/1993	SQUEEZABLE CONTAINER RESISTANT TO DENTING	4/19/1994	5303834
797502	3/1/2001	PREFORM AND CONTAINER WITH CRYSTALIZED NECK FINISH AND	6/3/2003	6572912
10/368256	2/18/2003	ALIGNMENT OF TANDEM CONTAINERS	1/13/2004	6675680
07/814923	1/8/1992	MULTILAYER BOTTLE WITH SEPARABLE INNER LAYER AND METHOD	4/12/1994	5301838
07/939662	9/3/1992	BLOW MOLD FOR FORMING A REFILLABLE POLYESTER CONTAINER,	3/30/1993	5198248
08/047047	4/12/1993	PREFORM FOR A HOT FILL PRESSURE CONTAINER (RELATED CASES;	3/23/1999	5884792
08/312890	9/27/1994	REFILLABLE POLYESTER CONTAINER AND PREFORM FOR FORMING	2/4/1997	5599496
09/308787	7/23/1999	COPOLYMERIZATION DURING SOLID STATING (RELATED CASE 7201)	2/27/2001	6194536
177859	3/24/1988	TWO-MOLD HEATSET PROCESS	8/1/1989	4853171
401517	8/29/1989	ONE-PIECE SDC FINISH	2/5/1991	4989757
60369	5/11/1993	ONE-PIECE SDC FINISH	7/4/1995	5429789
779537	1/8/1997	HDPE BLENDS	12/2/1997	5693391
140987	8/27/1998	LOW-COST DISPENSING PACKAGE (BIDS)	3/28/2000	6041975
10/683080	10/9/2003	BAG IN A BOTTLE PACKAGE	1/1/1900	
08/790571	1/29/1997	REFILLABLE POLYESTER CONTAINER AND PREFORM FOR FORMING	12/29/1998	5853829
08/835444	4/8/1997	MULTILAYER PREFORM AND CONTAINER WITH PEN (RELATED CASES:	11/2/1999	5976653
09/183702	10/30/1998	METH. OF FORMING A CONT. WITH HIGH CRYSTALLINITY SIDEWALL	4/16/2002	6372318
09/088238	6/1/1998	METHOD OF FORMING MULTI-LAYER PREFORM/CONTAINER WITH	7/18/2000	6090460
09/422822	10/21/1999	LOW		
10/850573	5/19/2004	HANDLED PLASTIC CONTAINER (RELATED CASE: 722S)	1/30/2001	6179143
		ENHANCED OXYGEN-SCAVENGING POLYMERS AND PACKAGING	1/1/1900	
08/415149	3/31/1995	MADE		
10/394264	3/24/2003	METHOD OF FORMING MULTI-LAYER PREFORM AND CONTAINER	3/17/1998	5728347
10/647276	8/26/2003	MULTILAYER CONTAINER RESISTANT TO ELEVATED TEMPERATURES	1/1/1900	
	7/12/2004	ENHANCED OXYGEN SCAVENGING POLYMERS AND PACKAGING	1/1/1900	
10/209896	8/2/2002	APPARATUS AND METHOD FOR MAKING MULTILAYER PREFORMS	1/1/1900	
08/958849	10/28/1997	APPARATUS AND METHOD FOR MAKING MULTILAYER PREFORMS	9/7/2004	6787094
		TRANSPARENT PACKAGE WITH ALIPHATIC POLYKETONE OXYGEN-	9/14/1999	5952066

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10/122297	4/16/2002	METHOD OF FORMING A CONTAINER WITH HIGH-CRYSTALLINITY	1/1/1900	
09/570898	5/15/2000	METHOD FOR PREVENTING UNCONTROLLED POLYMER FLOW IN	1/1/1900	
09/791361	2/23/2001	PROCESS FOR MAKING PEN/PET BLENDS AND TRANSPARENT	5/28/2002	6395865
09/180613	5/14/1997	HANDLED PLASTIC CONTAINER	9/3/2002	6444158
09/833166	4/11/2001	LOW-COST DISPENSING PACKAGE (BIDS III, IV, V, VI, X)	9/9/2003	6615473
336417	4/11/1989	PREFORM AND METHOD OF FORMING CONTAINER THEREFROM	5/22/1990	4927680
433788	11/9/1989	METHOD OF FORMING A MULTILAYER PREFORM	9/17/1991	5049345
08/756400	11/27/1996	REFILLABLE CONTAINER WITH RESISTANCE TO SPRUE CRACKS	11/23/1999	5989661
902044	7/10/2001	TOP FILL PACKAGE FOR HOT FILL AND RETORT PRODUCTS	1/21/2003	6508375
739837	5/29/1985	WRAPAROUND LABELING PROCESS	6/17/1986	4595449
332928	4/4/1989	ROLL FED/DIE CUT IN-MOLD LABELING	11/14/1989	4880369
372391	6/27/1989	IMFL SLIDE MECHANISM	1/8/1991	4983349
332089	4/3/1989	IN-MOLD FILM LABELING (IMFL)	3/27/1990	4911635
804826	12/6/1991	SOLVENT BOTTLE WITH SEPARATE HANDLE	2/23/1993	5188849
990152	12/14/1992	SOLVENT BOTTLE WITH SEPARATE HANDLE	8/3/1993	5232107
834069	2/10/1992	SELF-DRAINING CLOSURE FINISH	5/4/1993	5207356
678822	4/1/1991	DIE CUT IN-MOLD LABELING	1/21/1992	5082439
730411	7/16/1991	IML TRANSFER DEVICE-DUAL LABEL DELIVERY	7/27/1993	5230502
654438	5/28/1996	MELT BLEND OF LDPE AND POST CONSUMER HDPE BOTTLE SCRAP	7/21/1998	5783637
804509	2/24/1997	BC-3 INJECTED FINISH FLEXIBLE TUBE	10/5/1999	5962096
89656	6/3/1998	BC-3 INJECTED FINISH FLEXIBLE TUBE	10/3/2000	6127011
330630	6/11/1999	VACUUM CUP CONVEYOR BELT	7/25/2000	6093014
129265	8/5/1998	DUAL DISPENSING TUBES "T-N-T"	5/16/2000	6063223
129274	8/5/1998	FIXED BLOW NEEDLE WITH VACUUM	4/11/2000	6048192
197732	11/20/1998	VENT HOLE FOR BOTTLE WITH INNER 'BAG' LAYER	7/4/2000	6083450
561326	4/28/2000	VENT HOLE FOR BOTTLE WITH INNER 'BAG' LAYER	5/29/2001	6238201
835726	4/16/2001	VENT HOLE FOR BOTTLE WITH INNER 'BAG' LAYER	1/1/1900	
10/637445	8/8/2003	ROUND HOT FILLABLE PLASTIC BOTTLE	1/1/1900	
10/277381	10/22/2002	DISC TOP READY BOTTLE	2/17/2004	6691394
974692	10/9/2001	DUAL DISPENSING CLOSURE (TURRET 21)	2/18/2003	6520378
578246	5/24/2000	STRENGTHENED FINISH FOR A CONTAINER	10/29/2002	6471909
602959	6/24/2003	LOW-COST DISPENSING PACKAGE (BIDS III, IV, V, VI, X)	7/6/2004	6757957
10/095167	3/11/2002	LOW-COST DISPENSING PACKAGE (BIDS VII)	9/23/2003	6622895
569189	5/11/2000	P/S LABELING TECHNIQUE USING AN INK COAT	12/3/2002	6488066
10/199385	7/19/2002	P/S LABELING TECHNIQUE USING AN INK COAT	9/23/2003	6622878
574855	5/19/2000	DRAINBACK CONTAINER WITH MOLDED-IN SPOUT	12/31/2002	6500380
911915	7/24/2001	IMPROVED LOW-COST DISPENSING PACKAGE (BIDS)	3/19/2002	6357625

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10/284818	10/31/2002	TOP FILL PACKAGE FOR HOT FILL AND RETORT PRODUCTS	10/28/2003	6637176
10/389828	3/23/2004	SHUTTLE MACHINE CONCEPT	1/1/1900	
10/733119	3/17/2003	BLOWN DBS WITH NO TRANSITION	3/16/2004	6705495
413930	12/11/2003	BLOWN DBS WITH NO TRANSITION	1/1/1900	
10/680467	4/15/2003	DUAL CHAMBER PACKAGE	1/1/1900	
10/751367	10/7/2003	ONE-PIECE DUAL CHAMBER FINISH	1/1/1900	
	1/5/2004	VENTING METHODS FOR BIAF	1/1/1900	
09/072886	5/15/1998	SEMI-CRYSTALLIZED RIB FOR FINISH STABILITY	1/1/1900	
08/858132	5/19/1997	PASTEURIZABLE MULTILAYER POLYESTER PRESSURE CONTAINER	4/15/2003	6548133
		METH. OF FORMING MULTI-LAYER PREFORM & CONTAINER WITH LOW	6/2/1998	5759656
09/685353	10/10/2000	HANDLED PLASTIC CONTAINER	1/15/2002	6338415
08/102490	8/5/1993	MULTILAYER BOTTLE WITH SEPARABLE INNER LAYER AND METHOD OF	4/18/1995	5407629
07/962243	10/16/1992	PANEL DESIGN FOR A HOT-FILLABLE CONTAINER (RELATED CASE: APPARATUS FOR INJECTION MOLDING OF MULTILAYER PREFORMS	1/18/1994	5279433
604470	10/29/1990	METHOD OF FORMING TWO MATERIAL 3/5 LAYER PREFORM	3/24/1992	5098274
436651	11/15/1989	(RELATED	7/16/1991	5032341
08/524942	9/7/1995	PULSE-BLOW METHOD FOR FORMING CONTAINER WITH ENHANCED	4/22/1997	5622735
08/652985	5/24/1996	METHOD OF FORMING A CONTAINER WITH HIGH CRYST. SIDEWALL	11/3/1998	5829614
08/520261	8/28/1995	METHOD AND APPARATUS FOR FORMING A STRAIN-HARDENABLE	7/9/1996	5533881
10/155652	5/24/2002	PROCESS FOR MAKING PEN/PET BLENDS AND TRANSPARENT	7/1/2003	6586558
687123	7/24/1996	LIGHTWEIGHT CONTAINER UTILIZING PCR FILM	6/1/1999	5908677
221547	3/31/1994	SOLVENT BOTTLE WITH SEPARATE HANDLE	11/22/1994	5366101
219810	3/29/1994	HDPE BLENDS	2/11/1997	5601891
369990	1/9/1995	MELT BLEND OF LDPE AND POST CONSUMER HDPE BOTTLE SCRAP	7/9/1996	5534317
229072	4/18/1994	TILT NECK BOTTLE CLAMP ASSEMBLY	4/30/1996	5511648
567438	12/5/1995	THREADED SLEEVE SPOUT FOR DRAINBACK SYSTEM	7/22/1997	5649650
941748	9/30/1997	VACUUM CUP CONVEYOR BELT	8/17/1999	5939014
091011585	8/22/1996	IMPROVED MOULD REPLACEMENT (FORMER ACI CASE 759)	9/5/2000	6113377
07/772447	10/7/1991	TWO MATERIAL THREE/FIVE LAYER PREFORM (RELATED CASES: 7033	2/22/1994	RE34552
801441	11/25/1985	IML LABEL PLACEMENT MECHANISM	7/14/1987	4679997
694375	1/24/1985	HIGH BARRIER LABEL	7/22/1986	4601926
743444	6/11/1985	MULTILAYER CONTAINER	11/11/1986	4622199
570059	1/12/1984	WRAPAROUND LABELING PROCESS	11/25/1986	4624722
707335	3/1/1985	IML TRANSFER DEVICE	1/13/1987	4636166
947143	12/29/1986	IMPROVED GALLON CONTAINER	7/26/1988	4759454

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621352	6/18/1984	MULTILAYER CONTAINER	1/28/1986	4567069
631263	7/16/1984	BARRIER COPOLYESTER	3/25/1986	4578295
802117	11/25/1985	IML TRANSFER DEVICE	7/14/1987	4680000
594076	3/28/1984	CE-4 WHEEL MACHINE	10/29/1985	4549865
594072	3/28/1984	CE-4 FLEXIBLE WHEEL MACHINE	2/11/1986	4569651
594073	3/28/1984	CE-4 OPENING/CLOSING MECHANISM	3/10/1987	4648531
594075	3/28/1984	CE-4 BLOW AIR VALVE SYSTEM	6/18/1985	4523904
594599	3/29/1984	CE-4 ROTARY TRIMMER	9/30/1986	4614018
841650	3/20/1986	ADJUSTABLE LABEL RETENTION MECHANISM	9/1/1987	4690395
789208	10/18/1985	MOLDED-IN SIDE BUNG FOR DRUM	5/12/1987	4664958
663636	10/22/1984	CONTAINER WITH IMPROVED IMPACT STRENGTH	8/12/1986	4605576
926267	11/3/1986	MULTILAYER HDPE CONTAINER	1/12/1988	4719143
841651	3/20/1986	HEAT-SET MULTILAYER CONTAINER	12/15/1987	4713269
841649	3/20/1986	HEAT-SET HIGH BARRIER CONTAINER	12/15/1987	4713270
791287	10/25/1985	ONE-PIECE BOTTLE WITH SPOUT	2/3/1987	4640555
21894	3/4/1987	HEAT SET FREE STANDING CONTAINER	6/13/1989	4839127
801275	11/25/1985	LARGE SIZE RIBBED CONTAINER	9/9/1986	4610366
103313	10/1/1987	IML/PLASTIC LABELS	2/28/1989	4808366
64643	6/22/1987	ROLL FED/DIE CUT IN-MOLD LABELING	8/1/1989	4853169
836875	3/6/1986	SELF-DRAINING CLOSURE SYSTEM	6/9/1957	4671421
170473	3/21/1988	IMFL SLIDE MECHANISM	8/8/1989	4854848
160561	2/25/1988	LABELING MECHANISM	4/25/1989	4824630
7857	1/28/1987	ELASTICITY CONTROL OF LABEL STOCK	3/8/1988	4729864
211639	6/27/1988	DEGRADABLE POLYMERS	10/9/1990	4962164
160560	2/25/1988	IML MULTIPLE LOAD SLIDE MECHANISM	3/28/1989	4815955
929047	11/10/1986	HEATSETTING MULTILAYER CONTAINER	8/16/1988	4764403
54928	5/28/1987	IN-MOLD FILM LABELING (INIFL)	8/29/1989	4861541
377392	7/10/1989	MULTILAYER WITHOUT ADHESIVE LAYER	4/30/1991	5011720
92095	9/2/1987	FITMENT INSERTER DEVICE	4/4/1989	4817363
489122	3/5/1990	SOLVENT BOTTLE WITH SEPARATE HANDLE	2/11/1992	5087406
160555	2/25/1988	SELF-DRAINING CLOSURE SYSTEM	9/5/1989	4863067
66421	6/25/1987	VACUUM CUP ARM ASSEMBLY	4/12/1988	4737099
103334	10/1/1987	BLOWN PLASTIC CONTAINER WITH BLOWN SPOUT	1/2/1990	4890768
175803	3/31/1988	CONTROLLED LABEL PICKING SPEED	4/17/1990	4917592
334496	4/7/1989	FINISH INDICATOR GAUGE	6/26/1990	4936018
659057	10/9/1984	TAMPER EVIDENT DISPENSING CLOSURE ASSEMBLY	9/19/1986	4610371
666585	10/29/1984	APPARATUS FOR MIXING FLOWABLE MATERIALS IN SEALED	9/9/1986	4810374

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667656	11/2/1984	MIXING CONTAINER AND ADAPTER	9/30/1986	4614437
416204	10/2/1989	IML TRANSFER DEVICE-DUAL LABEL DELIVERY	9/3/1991	5044922
594807	10/9/1990	ULTRA-LIGHTWEIGHT ONE-WAY OR REFILLABLE PLASTIC BOTTLE	2/1/1992	5086937
228049	4/15/1994	POP-UP NOZZLE WITH RING SEAL AND INJECTED STEPPED FINISH	7/1/1995	5431305
757391	9/10/1991	IT-3 INDEXING BOTTLE TRIMMER	12/1/1992	5167316
163458	12/8/1993	BLOWN SPOUT FOR POWDERS	1/2/1996	5480028
122842	9/16/1993	MULTILAYER BOTTLE UTILIZING POST CONSUMER SCRAP	1/27/1998	5712009
83127	6/25/1993	TRANSLUCENT COLORED VIEW STRIPE FOR PLASTIC BOTTLE	11/7/1995	5464107
242930	5/16/1994	MULTIPLE FEED AND DISCHARGE CONVEYORS FOR SCREEN	1/16/1996	5484047
473480	6/7/1995	TRIMMING METHOD FOR HIGH BLOW RATIO BOTTLES	2/4/1997	5599495
473482	6/7/1995	PLASTIC SQUEEZE TUBE WITH REUSABLE DISPENSER	8/12/1997	5655684
338064	11/14/1994	PREAPPLICATION HEATING OF PS LABELS WITH WARM AIR BLOWER	2/25/1997	5605597
400736	3/8/1995	PLASTIC CONTAINER WITH INTEGRAL CLOSURE	2/11/1997	5601214
228048	4/15/1994	BC-3 INJECTED FINISH FLEXIBLE TUBE	5/27/1997	5632951
272983	7/15/1994	VENT DESIGN FOR PKG WITH BLADDER SYSTEM	11/14/1995	5465864
949188	10/14/1997	MULTI-COMPARTMENT CONTAINER WITH SINGLE DIVIDED FINISH	3/16/1999	5882574
510227	8/2/1995	QUICK-CHANGE ROUND HUB DESIGN	7/8/1997	5645870
707564	9/4/1996	DUAL DISPENSING TUBES "T-N-T"	10/20/1998	5823391
844181	4/18/1997	METHOD TO SYNCHRONIZE A PARISON PROGRAMMER	7/27/1999	5928581
773454	12/24/1996	FIXED BLOW NEEDLE WITH VACUUM	12/22/1998	5851479
604588	2/21/1996	LOW-COST DISPENSING PACKAGE (BIDS)	7/6/1999	5918777
964901	11/5/1997	SHUTTLE STACK MOLDING PROCESS	11/2/1999	5976452
443827	11/19/1999	DUAL DISPENSING CLOSURE (TURRET 21)	1/29/2002	6341716
55513	4/6/1998	SPIN-WELDED DRAINBACK SYSTEM	8/24/1999	5941422
948923	10/10/1997	STRENGTHENED FINISH FOR A CONTAINER	8/22/2000	6105800
219142	12/22/1998	LOW-COST DISPENSING PACKAGE (BIDS III, IV, V, VI, X)	6/5/2001	6241128
383165	8/24/1999	LOW-COST DISPENSING PACKAGE (BIDS VII)	5/28/2002	6394323
963074	11/3/1997	SQUEEZE TUBE WIT INTEGRAL TWIST-OFF CLOSURE	6/1/1999	5908124
379528	8/24/1999	DUAL CHAMBER PACKAGE WITH BELLOW BAGS	4/17/2001	6216915
387398	9/2/1999	REFILLABLE DUAL CHAMBER PACKAGE CONTAINING METAL CANS	10/30/2001	6308863
49913	3/30/1998	SPOUT CONTAINER	11/23/1999	5988460
40367	3/18/1998	P/S LABELING TECHNIQUE USING AN INK COAT	7/4/2000	6083342
114481	7/13/1998	DRAINBACK CONTAINER WITH MOLDED-IN SPOUT	9/26/2000	6123231
124330	7/29/1998	RAPID PLATE BLOW MOLDS	9/12/2000	6116888
288208	4/8/1999	RESTRICTED ORIFICE ANVIL	4/10/2001	6213756
09/287934	4/7/1999	BAG IN A BOTTLE PACKAGE	12/30/2003	6670007
306501	5/6/1999	UPPER MOLD BOTTLE RETENTION AND EJECTION	1/9/2001	6171542

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836483	4/17/2001	RS-2000 MOIL REMOVAL	4/22/2003	6551644
526808	3/16/2000	HIGH SPEED HANDLING OF PLASTIC CONTAINERS	1/29/2002	6341684
10/439061	5/15/2003	BLOW MOLD ONE-PIECE DRAINBACK SYSTEM	1/1/1900	
468576	12/21/1999	TOP-FILL DBS SYSTEM	8/28/2001	6279789
781644	2/12/2001	BIDS BOTTLE WITH T-TOP ACTUATOR	5/20/2003	6564978
479135	1/7/2000	IMPROVED LOW-COST DISPENSING PACKAGE (BIDS)	11/6/2001	6311878
902046	7/10/2001	ALIGNMENT OF TANDEM CONTAINERS	3/11/2003	6530301
781656	2/12/2001	SHUTTLE MACHINE CONCEPT	5/4/2004	6730257
737106	12/14/2000	BLOW MOLDING MACHINE CONCEPT	10/29/2002	6471907
570423	5/12/2000	PUMP-BOTTLE ADAPTER RING	4/2/2002	6364167
961961	9/24/2001	DUAL CHAMBER PACKAGE	8/5/2003	6602459
09/961960	9/24/2001	ONE-PIECE DUAL CHAMBER FINISH	2/3/2004	6685041
09/901315	7/9/2001	LARGE BOTTLE WITH INTEGRATED HANDLE	1/1/1900	
10/897867	7/22/2004	COMBINATION OF PE/EVOH WIT ACTIVE ACETAL	1/1/1900	
105730	3/25/2002	VENTING METHODS FOR BIAB	4/13/2004	6719173
10/884777	7/2/2004	METHOD OF REHEAT BLOW MOLDING A CONTAINER	1/1/1900	
122901	4/12/2002	SEMI-CRYSTALLIZED RIB FOR FINISH STABILITY	1/1/1900	
52050	1/17/2002	ROUND SINGLE-SERVE JUICE CONTAINER	4/29/2003	6554146
337082	1/6/2003	POLYGONAL HOTFILL CONTAINER	1/1/1900	
329666	12/24/2002	SWAGE-FORMING OF CONTAINER THREADS	1/1/1900	
351658	1/24/2003	METHOD OF FORMING STRETCHED THREADS	1/1/1900	
10/329915	12/26/2002	STRETCH BLOW MOLDING AMORPHOUS NYLON	1/1/1900	
10/874839	6/23/2004	IMPROVED IML CONCEPT FOR RS-4 MACHINE	1/1/1900	
10/746404	12/24/2003	COMPRESSION MOLDING OF PREFORMS	1/1/1900	
10/440707	5/19/2003	PET LIQUOR FLASK	1/1/1900	
388616	3/14/2003	DELAMINATION-RESISTANT MATERIAL MODIFICATIONS	1/1/1900	
375737	2/26/2003	ATTACHING FINISH TO PREFORM/BOTTLE	1/1/1900	
403415	3/28/2003	ATTACHING FINISH TO PREFORM	1/1/1900	
375736	2/26/2003	ATTACHING FINISH TO PREFORM	1/1/1900	
10/916036	8/10/2004	PREFORMS FROM PET TUBING	1/1/1900	
10/634707	8/5/2003	PRODUCING CONTAINERS FROM LOW IV PET	1/1/1900	
10/816500	4/1/2004	THREAD ATTACHMENT METHOD	1/1/1900	
10/716229	11/17/2003	PRESS/BLOW MACHINE W/MULTIPLE MODULES	1/1/1900	
10/739854	12/18/2003	PET MATERIAL IN ALTERNATE FORMS	1/1/1900	
10/789908	2/27/2004	HANDLE ATTACHMENT	1/1/1900	
10/841773	5/7/2004	COMPRESSION OVERMOLDING	1/1/1900	
10/646245	8/22/2003	PRE-BLOW RETENTION OF SNAP-ON OBJECTS	1/1/1900	

Serial Number	File Date	Subject	Patented Dt	Patented No
10/643217	8/14/2003	GALLON RECTANGULAR HOTFILL CONTAINER	1/1/1900	
10/816499	4/1/2004	MULTI-LAYER CONTAINER W/MONOLAYER MOIL	1/1/1900	
351671	1/24/2003	ATTACHING FINISH TO CONTAINER	1/1/1900	
10/746319	12/24/2003	POST FORMED INTERNAL THREADS	1/1/1900	
375758	2/26/2003	ATTACHED FINISH DIMENSIONAL STABILITY	1/1/1900	
10/746406	12/24/2003	ULTRA LIGHTWEIGHT CONTAINER	1/1/1900	
10/746408	12/24/2003	PRODUCT DRAIN FEATURE	1/1/1900	
10/856514	5/28/2004	PACKAGE W/MOLDED CD HOLDER	1/1/1900	
10/688432	10/16/2003	DELAMINATION-RESISTANT MULTILAYER CONTAINER, PREFORM, ARTICLE AND METHOD OF MANUFACTURE	1/1/1900	
10/828759	4/21/2004	METHOD OF ATTACHING FINISH AND/OR HANDLE	1/1/1900	
664372	9/17/2003	SQUEEZABLE HOT-OR COLD-FILLED CONTAINER	1/1/1900	
10/884899	7/6/2004	PREFORM COMPRESSION MOLDING W/PREFORM COOLING ON CORE	1/1/1900	
10/613445	7/3/2003	CRYSTALLIZATION OF EXPANDED NECK FINISH	1/1/1900	
10/862226	6/7/2004	USING A MANDREL TO FORM A PET JAR	1/1/1900	
10/862241	6/7/2004	TOTTLE W/DIP TUBE AND ONE-WAY VALVE	1/1/1900	
10/916124	8/10/2004	INSERT MOLDED FINISH	1/1/1900	
10/822299	4/8/2004	PREFORM DESIGN FOR COMPRESSION MOLDING	1/1/1900	
10/822297	4/8/2004	USING LINEAR BEARINGS TO ALIGN TOOLING/REDUCE PACKAGING	1/1/1900	
10/841771	5/7/2004	ARTICULATED PELLET CUTTING AND TRANSFER WHEEL	1/1/1900	
10/816498	4/1/2004	METHOD OF COOLING COMPRESSION MOLDED PREFORMS	1/1/1900	
10/893080	7/16/2004	DUAL ROW ROTARY FORMING MACHINE CAVITY	1/1/1900	
10/849971	5/20/2004	HOT-FILL CONTAINER HAVING CONTOURED SHAPE	1/1/1900	
10/916039	8/10/2004	HOT-FILL CONTAINER VACUUM "WINDOWS"	1/1/1900	
07/792449	11/15/1991	REFORM TOOL WITH POROUS METAL INSERTS	1/1/1900	
07/842228	2/26/1992	MODULAR MOLD (RELATED CASE: 7176)	10/26/1993	5255889
07/507766	4/12/1990	PANEL DESIGN FOR A HOT-FILLABLE CONTAINER (RELATED CASE: METHOD OF FORMING THE BASE SECTION OF OBLONG OR OVAL REFILABLE POL YESTER CONTAINER AND PREFORM FOR FORMING PLASTIC PREFORM HAVING REINFORCED CONTAINER BASE FORMING	10/27/1992	5158817
488247	3/5/1990		11/19/1991	5066528
276462	12/1/1988		3/20/1990	4910054
301066	1/25/1989	METHOD AND APPARATUS FOR INJECTION MOLDING MULTILAYER	2/5/1991	4990301
137565	12/24/1987	HOT FILL CONTAINER	9/5/1989	4863046
245376	9/16/1988	MULTILAYER PREFORM FOR HOT FILL CONTAINERS	7/11/1989	4847129
265775	11/11/1988	MULTI-LAYER PREFORM, METHOD OF FORMING PREFORM, AND INJECTION MOLD MANIFOLD ARRANGEMENT	5/8/1990	4923723
292956	1/3/1989		8/21/1990	4950143
304469	1/31/1989	INJECTION MOLDING PREFORM, METHOD OF TREATING SAME AND	5/29/1990	4928835

Serial Number	File Date	Subject	Patented Dt	Patented No
878044	6/24/1986	METHOD OF REHEATING PREFORMS FOR FORMING BLOW MOLDED	3/15/1988	4731513
07/493779	3/15/1990	PREFORM FOR HOT FILL PRESSURE CONTAINER (RELATED CASES:	4/14/1992	5104706
07/909988	7/7/1992	METHOD OF FORMING A CONTAINER WITH HIGH-CRYST. SIDEWALL	1/25/1994	5281387
868729	5/30/1986	REFILLABLE POLYESTER BOTTLE AND PREFORM FOR FORMING	2/16/1988	4725464
		SAME		
730113	5/3/1985	METHOD FOR PRODUCING A HOT FILLABLE, COLLAPSE RESISTANT	5/19/1987	4665682
		POLYESTER CONTAINER, WITHOUT THE NEED TO UTILIZE SET		
131467	12/11/1987	BASE CONFIGURATION FOR AN INTERNALLY PRESSURIZED	11/22/1988	4785949
522147	11/17/1992	IN-MOLD LABELING SYSTEM	11/30/1993	5266149
236960	2/23/1981	ROTARY INJECTION TURRET AND METHOD OF UTILIZING THE SAME	11/22/1988	4786455
		IN		
245374	9/16/1988	PLASTIC CONTAINER, PREFORM AND METHOD OF MAKING SAME	12/26/1989	4889247
245375	9/16/1988	HOT FILL PRODUCT CONTAINER WITH MULTI-LAYER WALL	6/26/1990	4936473
		STRUCTURE		
497701	3/23/1990	STRETCH BLOW MOLDED OBLONG OR OVAL CONTAINER.	4/7/1992	5101990
464010	1/12/1990	RECYCLABLE MULTILAYER PLASTIC PREFORM AND CONTAINER	12/31/1991	5077111
723333	6/28/1991	REINFORCED AND PANELED HOT FILL CONTAINER	3/3/1992	5092475
08/126976	9/24/1993	PULSE-BLOW METHOD FOR FORMING CONTAINER WITH ENHANCED	12/12/1995	5474735
160963/08	12/2/1993	METHOD FOR FORMING A STRAIN-HARDENABLE PLASTIC	11/28/1995	5469612
		CONTAINER.		
08/331041	10/28/1994	HOT-FILLABLE PLASTIC CONTAINER HAVING A TALL AND SLENDER	1/6/1998	5704503
08/355703	12/14/1994	OXYGEN SCAVENGING COMPOSITION FOR MULTILAYER PREFORM	6/2/1998	5759553
		AND		
08/330970	10/28/1994	HOT-FILL CONTAINER WITH END GRIP	12/5/1995	5472105
08/365205	12/28/1994	METHOD OF COOLING MULTILAYER PREFORMS	12/10/1996	5582788
08/610810	3/7/1996	PASTEURIZABLE MULTILAYER POLYESTER PRESSURE CONTAINER	9/8/1998	5804016
08/503107	7/17/1995	PASTEURIZABLE PLASTIC CONTAINER	6/1/1999	5908128
08/447119	5/22/1995	METHOD FOR POST-MOLD ATTACHMENT OF A HANDLE TO A STRAIN-	6/10/1997	5637167
08/760918	12/6/1996	COPOLYMERIZATION DURING SOLID STATING (RELATED CASE: 7202)	5/11/1999	5902539
08/702755	8/22/1996	METHOD FOR PREVENTING UNCONTROLLED POLYMER FLOW IN	5/15/2000	6063325
08/803976	2/21/1997	ENHANCED SHELF LIFE PRESSURIZED CONTAINER WITH RIBBED	9/5/2000	6112925
08/959423	10/28/1997	HOT FILLABLE PLASTIC CONTAINER WITH GRIPPABLE BODY	10/26/1999	5971184
994555	11/27/2001	COOLING DURING IN-MOLD HANDLE ATTACHMENT	1/1/1900	
08/238244	5/4/1994	PLASTIC BOTTLE WITH A SELF SUPPORTING BASE STRUCTURE	4/16/1996	5507402
09/398476	9/17/1999	FILTER SCREEN	1/29/2002	6342156
10/682607	10/9/2003	THREE STEP BOTTOM	1/1/1900	

**GRAHAM PACKAGING HOLDINGS COMPANY
PATENT SCHEDULE**

Design Patents and Applications

<u>Title</u>	<u>Reg./App. Number</u>	<u>Iss./App. Date</u>	<u>Registered Owner</u>
Container Sidewall	D344,457	2/22/1994	Graham Packaging Company, L.P.
Container Sidewall and Base	D366,417	1/23/1996	Graham Packaging Company, L.P.
Container Sidewall and Base	D366,416	1/23/1996	Graham Packaging Company, L.P.
Container Sidewall and Base	D366,831	2/6/1996	Graham Packaging Company, L.P.
Reinforced Container Dome	D391,168	2/24/1998	Graham Packaging Company, L.P.
Container	D402,563	12/15/1998	Graham Packaging Company, L.P.
Container Dome	D415,681	10/26/1999	Graham Packaging Company, L.P.
Container Dome	D418,752	1/11/2000	Graham Packaging Company, L.P.
Grip Container	D420,593	2/15/2000	Graham Packaging Company, L.P.
Gripable Container Dome	D420,919	2/22/2000	Graham Packaging Company, L.P.
Ergonomic Handle for a Blow-Molded Container	D422,500	4/11/2000	Graham Packaging Company, L.P.
Ergonomic Handle for a Blow-Molded Container	D423,349	4/25/2000	Graham Packaging Company, L. P.
Jar Body	D423,936	5/2/2000	Graham Packaging Company, L.P.
Bottle	D423,939	5/2/2000	Graham Packaging Company, L.P.
Jar Body	D428,815	8/1/2000	Graham Packaging Company, L.P.

Bottle Dome	D429,166	8/8/2000	Graham Packaging Company, L.P.
Jug-Style Dome for a Plastic Container	D431,192	9/26/2000	Graham Packaging Company, L.P.
Container Dome	D439,166	3/20/2001	Graham Packaging Company, L.P.
Container Dome	D441,660	5/8/2001	Graham Packaging Company, L.P.
Jug-Style Dome for a Plastic Container	D442,091	5/15/2001	Graham Packaging Company, L.P.
Jar Body	D442,866	5/29/2001	Graham Packaging Company, L.P.
Container Dome	D445,695	7/31/2001	Graham Packaging Company, L.P.
Container Sidewall Having Grips	D448,674	10/2/2001	Graham Packaging Company, LP,
Lower Portion of a Container	D450,248	11/13/2001	Graham Packaging Company, L.P.
Container Sidewall	D450,595	11/20/2001	Graham Packaging Company, L.P.
Container Dome	D451,798	12/11/2001	Graham Packaging Company, L.P.
Cow Bottle	D459,986	7/9/2002	Graham Packaging Company, L.P.
Upper Portion of a Bottle	D459,995	7/9/2002	Graham Packaging Company, L.P.
Funny Bunny Bottle	D460,914	7/30/2002	Graham Packaging Company, L.P.
Interlocking Container for Companion Products	D472,150	3/25/2003	Graham Packaging Company, L.P.
Bottle with Cow Design	D472,461	4/1/2003	Graham Packaging Company, L.P.

Plastic Container with a Swirled Dome	D474,977	5/27/2003	Graham Packaging Company, L.P.
Container Dome	D478,817	8/26/2003	Graham Packaging Company, L.P.
Decorative Container Dome	D480,310	10/7/2003	Graham Packaging Company, L.P.
Container Closure	D485,181	1/13/2004	Graham Packaging Company, L.P.
Container Dome	D486,389	2/10/2004	
Plastic Container with a Beaded Neck	D486,739	2/17/2004	Graham Packaging Company, L.P.
Square Bell and Grip Structure	D487,228	3/2/2004	Graham Packaging Company, L.P.
Container	D488,060	4/6/2004	Graham Packaging Company, L.P.
Plastic Container Beaded Neck	D494,068	8/10/2004	Graham Packaging Company, L.P.
Clam Shell Dome Design	D494,473	8/17/2004	Graham Packaging Company, L.P.
Plastic Container	D496,855	10/5/2004	Graham Packaging Company, L.P.
Textured Handle Packaging	D498,142	11/9/2004	Graham Packaging Company, L.P.
Plastic Container with Multi-Faceted Dome	D496,281	9/21/2004	Graham Packaging Company, LP.
Plastic Container with a Handle	D496,865	10/5/2004	Graham Packaging Company, LP.
Plastic Container	29/145,079	7/17/2001	
Six-Sided Container	29/191,537	10/10/2003	
Plastic Container	29/193,068	11/4/2003	
<u>Title</u>	<u>Reg./App. Number</u>	<u>Iss./App. Date</u>	<u>Registered Owner</u>

Basket Weave Dome	29/197,574	1/20/2004	
Rectangular Container	29/196,816	1/7/2004	
Container	29/199,773	2/20/2004	
Pepper Shaped Container	29/206,761	6/4/2004	
Plastic Container	29/204,470	4/30/2004	
Container	29/199,764	2/20/2004	
Plastic Container	29/205,618	5/19/2004	
4 Sided Container	29/205,112	5/11/2004	

Utility Patents and Applications

<u>Title</u>	<u>Patent/App. Number</u>	<u>Iss./App. Date</u>	<u>Registered Owner</u>
Dispenser& Measuring Cup	5,165,558	11/24/1992	Graham Packaging Company, L.P.
Plastic Bottle Having a Linerless Closure with Collapsible Flange and Method	5,188,249	2/23/1993	Graham Packaging Company, L.P.
Flex and Grip Panel Structure for Hot-Fillable Blow-Molded Container	5,392,937	2/28/1995	Graham Packaging Company, L.P.
Blow Molded Wide Mouth Plastic Container & Injection- Molded Lid	5,460,287	10/24/1995	Graham Packaging Company, L.P.
Grip Panel Structure for High-Speed Hot-Fillable Blow- Molded Container	5,598,941	2/4/1997	Graham Packaging Company, L.P.
Method for Attachment of a Service Device to a Container	5,622,579	4/22/1997	Graham Packaging Company, L.P.
Preform and Hot-Fill Blow-Molded Container Having Reinforced Finish	5,678,711	10/21/1997	Graham Packaging Company, L.P.
Container Having an Attached Separate Handle	5,704,506	1/6/1998	Graham Packaging Company, L.P.
Method and Apparatus for Supplying Conditioned Air to a Blow-Molding Oven	5,714,109	2/3/1998	Graham Packaging Company, L.P.
Hot-Fillable, Blow-Molded Plastic Container Having a Reinforced Dome	5,762,221	6/9/1998	Graham Packaging Company, L.P.
Plastic Container Dispensing Fitment	5,855,299	1/5/1999	Graham Packaging Company, L.P.
Ovalization and Crush Resistant Container	5,887,739	3/30/1999	Graham Packaging Company, L.P.
Blow-Molded Plastic Container with Permanently Attached Separate Handle	5,918,754	7/6/1999	Graham Packaging Company, L.P.

Container for Automotive Fluids	5,918,753	7/6/1999	Graham Packaging Company, L.P.
Plastic Container & Non-Integral Handle	5,931,324	8/3/1999	Graham Packaging Company, L.P.
Pinch Neck Pour Spout Container	5,964,383	10/12/1999	Graham Packaging Company, L.P.
Grip Dome Container	6,044,997	4/4/2000	Graham Packaging Company, L.P.
Stackable Ergonomic Handle	6,049,945	4/18/2000	Graham Packaging Company, L.P.
Apparatus and Method for Transferring Blow-Molded Containers to a Trimmer	6,145,650	11/14/2000	Graham Packaging Company, L.P.
Grippable Blow-Molded Container Providing Balanced Pouring Capability	6,213,326	4/10/2001	Graham Packaging Company, L.P.
Stackable Ergonomic Handle	6,223,397	5/1/2001	Graham Packaging Company, L.P.
Method of Making Wide Mouth Blow Molded Container	6,228,317	5/8/2001	Graham Packaging Company, L.P.
Grip Dome Container	6,257,433	7/10/2001	Graham Packaging Company, L.P.
Grippable Container	6,273,282	8/14/2001	Graham Packaging Company, L.P.
Integrally Blow-Molded Container and Closure	6,290,094	9/18/2001	Graham Packaging Company, L.P.
System for Blow-Molding, Filling and Capping Containers	6,298,638	10/9/2001	Graham Packaging Company, L.P.
Hot-Fillable Wide-Mouth Grip Jar	6,349,839	2/26/2002	Graham Packaging Company, L.P.
Hot-Fillable Grip Container	6,375,025	4/23/2002	Graham Packaging Company, L.P.
Hot-Fillable Wide-Mouth Grip Jar	6,390,316	5/21/2002	Graham Packaging Company, L.P.

Process for Coating Blow-Molded Plastic Containers	6,393,803	5/28/2002	Graham Packaging Company, L.P.
Blow-Molded Container Having Reinforcement Ribs and Method and Apparatus for Making Same	6,405,887	6/18/2002	Graham Packaging Company, L.P.
Hot-fillable and Retortable Flat Paneled Jar	6,439,413	8/27/2002	Graham Packaging Company, L.P.
Hot-Fillable Grip Container Having a Reinforced, Drainable Label Panel	6,467,639	10/22/2002	Graham Packaging Company, L.P.
Blow-Molded Container and Closure, and Method and Apparatus for Making Same	6,495,089	12/17/2002	Graham Packaging Company, L.P.
Parison Separation Assembly	6,551,092	4/22/2003	Graham Packaging Company, L.P.
Method and Apparatus for Making a Plastic Container and Closure Combination	6,555,033	4/29/2003	Graham Packaging Company, L.P.
Wide Mouth Blow Molded Plastic Container, Method of Making Same, and Preform Used Therein	6,555,191	4/29/2003	Graham Packaging Company, L.P.
Tamper-Evident Package	6,557,714	5/6/2003	Graham Packaging Company, L.P. and Alcoa Closure Systems International, Inc.
Multi-Functional Base for a Plastic, Wide-Mouth, Blow- Molded Container	6,612,451	9/2/2003	Graham Packaging Company, L.P.
Apparatus for Making a Plastic Container and Closure Combination	6,629,834	10/7/2003	Graham Packaging Company, L.P.
Plastic Container Having Structural Ribs	6,662,961	12/16/2003	Graham Packaging Company, L.P.
Blow Molded Slender Grippable Bottle Having Dome with Flex Panels	6,662,960	12/16/2003	Graham Packaging Company, L.P.

Blow-Molded Container and Closure, and Method and Apparatus for Making Same	6,669,049	12/30/2003	Graham Packaging Company, L.P.
Takeout and Transfer Apparatus for a Wheel Blow Molding Machine	6,669,461	12/30/2003	Graham Packaging Company, L.P.
Extrusion Blow-Molded Squeezable Tube-Shaped Container and Method for Making Same	6,673,301	1/6/2004	Graham Packaging Company, L.P.
Method of Designing and Manufacturing a Plastic Blow Molded Container	6,673,281	1/6/2004	Graham Packaging Company, L.P.
Multi Parison/Dual Cavity Wheel Blowmolds	6,709,261	3/23/2004	Graham Packaging Company, L.P.
Insulated Apparatus for Injecting and Removing Compressed Air from a Cooled Mold Cavity	6,739,858	5/25/2004	Graham Packaging Company, L.P.
Preform and Method for Manufacturing a Multi-Layer Blown Finish Container	6,749,780	6/15/2004	Graham Packaging Company, L.P.
Venturi Scrubber Plate, Waste Capture System, and Method	6,752,854	6/22/2004	Graham Packaging Company, L.P.
Blow Molded Bottle with Unframed Flex Panels	6,763,969	7/20/2004	Graham Packaging Company, L.P.
Plastic Container Having an Inverted Active Cage	6,779,673	8/24/2004	Graham Packaging Company, L.P.
Hot Fillable Container Having Separate Rigid Grips and Flex Panels	6,796,450	9/28/2004	Graham Packaging Company, L.P.
Preform, Intermediate Article and Method for Manufacturing a Blown Finish Container	6,814,923	11/9/2004	Graham Packaging Company, L.P.
Wide Mouth Blow Molded Plastic Container, Method of Making Same, and Preform Used Therein	10/369,839	2/20/2003	

Pasteurizable Wide-Mouth Container	10/800,566	3/15/2004	
Blow-Molded Container and Closure, and Method and Apparatus for Making Same	10/696,784	10/30/2003	
Takeout and Transfer Apparatus and Method for a Wheel Blow Molding Machine		10/30/2003	
Preform, Intermediate Article and Method for Manufacturing a Blown Finish Container		8/3/2004	
Blow Molded Slender Grippable Bottle Having Dome with Flex Panels	10/686,068	10/15/2003	
Multi-Functional Base for a Plastic, Wide-Mouth, Blow-Molded Container	10/444,616	5/23/2003	
Hot-Fillable Multi-Sided Blow-Molded Container	10/621,059	7/16/2003	
Self-Adjusting Re-Sealable Spring Center Seal Closure	10/300,016	11/20/2002	Graham Packaging Company, L.P.
Modified Injection Take Out Tube	10/645,647	8/22/2003	
Process for Applying Exterior Coatings to Three Dimensional Containers	10/352,909	1/29/2003	Graham Packaging Company, L.P.
Pneumatic Spinner Drive Tensioning Assembly	10/384,740	3/11/2003	Graham Packaging Company, L.P.
Molded Container with Beaded Neck	10/752,538	1/8/2004	Graham Packaging Company, L.P.
Resealable Closure System	10/795,510	3/9/2004	Graham Packaging Company, L.P.
Method and Apparatus for Creating a Sculpture on a Container	10/449,087	6/2/2003	Graham Packaging Company, L.P.
Plastic Container Having Depressed Grip Sections	10/294,696	11/15/2002	

Container with Stackable Base	10/391,758	3/20/2003	Graham Packaging Company, L.P.
Reservoir Reducing Screw Tip	10/368,417	2/20/2003	Graham Packaging Company, L.P.
Base Having a Flexible Vacuum Arca	10/625,508	7/24/2003	Graham Packaging Services, L.P.
Opposing Rib Structure for Non-Round Bottles	10/625,507	7/24/2003	Graham Packaging Services, L.P.
Pneumatic Spinner Drive Tensioning Assembly	10/384,683	3/11/2003	Graham Packaging Company, L.P.
Package for Interengaging Containers for Companion Products	10/340,044	12/10/2002	Graham Packaging Company, L.P.
Squeezable Two-Piece Stand-Up Tube	10/429,919	5/6/2003	Graham Packaging Company
Blow-Mold Wheel Speed-lip Package	10/426,963	5/1/2003	
Plastic Container with Top Handle	10/412,336	4/14/2003	
Image Input Apparatus and Method	10/413,304	4/15/2003	
Dispenser with an Integrally Molded Neck Finish	10/368,524	2/19/2003	Graham Packaging Company, L.P.
Hot-Fill Container Base Structure	10/370,571	2/24/2003	Graham Packaging Company, L.P.
Plastic Carafe	10/662,879	9/16/2003	Graham Packaging Company, L.P.
Container with Flexible Panels	10/366,617	2/14/2003	Graham Packaging Company, L.P.
Base Structure for a Container	10/366,574	2/14/2003	
Plastic Container Having Chamfered Corners	10/370,702	2/24/2003	

Fluid Regulating Pinch Valve	10/368,557	2/20/2003	Graham Packaging Company, LP.
Method for Shielding Articles on a Coating Line	10/630,982	7/31/2003	
Method and Apparatus for Creating Textured Handle Packaging	10/428,035	5/2/2003	
Plastic Corrugated Case	10/1431,570	5/8/2003	
Deformation Resistant Panels	10/658,797	9/10/2003	
Nitrogen Blowmolding to Enhance Oxygen Scavenger Shelf Life	10/600,537	6/23/2003	
One Piece Push-Pull Cap for Plastic Containers	10/712,105	11/14/2003	Graham Packaging Company, L.P.
Rectangular Container with Cooperating Vacuum Panels and Ribs on Adjacent Sides	10/727,042	12/4/2003	Graham Packaging Company, L.P.
Dual Extruder, Tri-Layer System	10/426,970	5/1/2003	
Mold Design with Improved Cooling	10/426,964	5/1/2003	
Contour for Tube Seals to Facilitate Mounting of a Product Evacuation Device	10/662,878	9/16/2003	
Blow Cylinder with Fluid Cushion	10/733,647	12/12/2003	
Pinch Bar and Parison Separating Method	10/705,501	11/12/2003	
Hot Fillable Container with a Waisted Dome	10/813,301	3/31/2004	
Pressure Base for Polyolefin Container	10/740,761	12/22/2003	
Stand Up Tube with a Dispensing Nose	10/705,502	11/12/2003	
Container with Vented Blown Finish	10/682,925	10/14/2003	

4 Sided Container with Smooth Front & Back Panels that can Receive Labels in a Variety of Ways	10/669,792	9/25/2003	
Container with Deflectable Panels	10/682,023	10/10/2003	Graham Packaging Company, L.P.
Multi-Purpose Grippable Bell	10/697,276	10/31/2003	
Modular, Low Friction Spindle Assembly	10/830,131	4/23/2004	
Blade Having a Depression for Trimming/Cutting Articles	10/752,575	1/8/2004	
Rib Truss for Container	10/814,632	4/1/2004	
Interchangeable Mold Blade	10/807,443	3/24/2004	
Multi-Functional Base for a Plastic, Wide-Mouth, Blow-Molded Container	10/851,083	5/24/2004	
Process for Pasteurization of Plastic Blow Molded Jar	10/851,086	5/24/2004	
GRADED CRYSTALLIZATION OF CONTAINER FINISHES	7033656 ¹		Graham Packaging PET Technologies Inc. - (GPPET)
STRETCHED CONTAINER THREADS AND METHOD OF MANUFACTURE	6884382 ²		Graham Packaging PET Technologies Inc. - (GPPET)

¹ Note that the Grant of Security Interest in United States Patents was not filed against this patent at reel/frame 015552/0299. Instead, a corrective assignment was filed at reel/frame 020599/0025, which effectively added this patent to reel/frame 015552/0299. With the filing of this release, this patent is released from any Deutsche Bank security interest filed under reel/frame 015552/0299 and/or reel/frame 020599/0025.

² Note that the Grant of Security Interest in United States Patents was not filed against this patent at reel/frame 015552/0299. Instead, a corrective assignment was filed at reel/frame 020599/0025, which effectively added this patent to reel/frame 015552/0299. With the filing of this release, this patent is released from any Deutsche Bank security interest filed under reel/frame 015552/0299 and/or reel/frame 020599/0025.

METHOD AND APPARATUS FOR COOLING DURING IN- MOLD HANDLE ATTACHMENT	6855289 ³		Graham Packaging PET Technologies Inc. - (GPPET)
DUAL-CHAMBER CONTAINER, AND METHOD AND APPARATUS FOR ITS MANUFACTURE	6976603 ⁴		Graham Packaging Plastic Products, Inc. - (GPPP)

³ Note that the Grant of Security Interest in United States Patents was not filed against this patent at reel/frame 015552/0299. Instead, a corrective assignment was filed at reel/frame 020599/0025, which effectively added this patent to reel/frame 015552/0299. With the filing of this release, this patent is released from any Deutsche Bank security interest filed under reel/frame 015552/0299 and/or reel/frame 020599/0025.

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