

03-11-2003

Form PTO-1594  
(Rev. 03/01)  
OMB No. 0651-0027 (exp. 5/31/2002)  
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U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

311-03

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

JPMORGAN CHASE BANK

- Individual(s)
- General Partnership
- Corporation-State
- Other
- Association
- Limited Partnership

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other Release of Security Interest
- Merger
- Change of Name

Execution Date: 02/26/2003

2. Name and address of receiving party(ies)

Name: CROWN CORK & SEAL TECHNOLOGIES

Internal Address: CORPORATION

Street Address: 11535 South Central Avenue

City: Alsip State: IL Zip: 60482

- Individual(s) citizenship
- Association
- General Partnership
- Limited Partnership
- Corporation-State Delaware
- Other

If assignee is not domiciled in the United States, a domestic representative designation is attached:  Yes  No  
(Designations must be a separate document from assignment)  
Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or registration number(s):

A. Trademark Application No.(s) SEE ATTACHED EXHIBIT A

B. Trademark Registration No.(s) SEE ATTACHED EXHIBIT A

Additional number(s) attached  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Maureen P. Murphy

Internal Address: Cahill Gordon & Reindel

Street Address: 80 Pine Street

City: New York State: NY Zip: 10005

6. Total number of applications and registrations involved: 17

7. Total fee (37 CFR 3.41): \$1690.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

DO NOT USE THIS SPACE

9. Signature.

03/12/2003 TBIAZI 00000021 74499527

01 FC:8321  
02 FC:8322

Maureen P. Murphy  
Name of Person Signing

40.00 DP  
1650.00 DP

Maureen P. Murphy  
Signature

03/03/003

Date

Total number of pages including cover sheet, attachments, and document: [ ]

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patent & Trademarks, Box Assignments  
Washington, D.C. 20231

TRADEMARK  
REEL: 002691 FRAME: 0305

**Exhibit A: Trademarks and Trademark Applications**

Country	Mark	App. No.	App. Date.	Reg. No.	Reg. Date
US	BEVGUARD	74/499527	3/14/1994	1974100	5/14/1996
US	BEVGUARD	76/310495	9/6/2001		
US	BEVGUARDPLUS	76/310497	9/6/2001		
US	BICAN	73/653606	4/6/1987	1591870	4/17/1990
US	CARNAUDMETALBOX	74/356081	2/5/1993	1947833	1/16/1996
US	CARNAUDMETALBOX LOGO	74/332908	11/19/1992	1944840	1/2/1996
US	COLORPOUR	76/438686	8/8/2002		
US	COLORSEAL	75/561108	9/29/1998	2419755	1/9/2001
US	COLORTOUCH	75/429901	6/2/1998	2217415	1/12/1999
US	CONO	72/294376	3/28/1968	858738	10/22/1968
US	DIOTITE	72/105995	10/7/60	793865	8/10/1965
US	DOUBLESAFE	73/228003	8/17/79	1200820	7/13/1982
US	EOLE	76/465127	11/7/2002		
US	FERROLITE	74/320437	10/7/1992	1956962	2/20/1996
US	FRESHFILL	73/503525	10/12/1984	1350325	7/23/1985
US	GUZZLER	75/937796	3/7/2000		
US	IDEAL CLOSURE	76/193942	1/12/2001		
US	MONOGUARD	75/668,646	3/25/1999		
US	OBRIST	73/132,435	6/30/1977	1113997	2/27/79
US	OBRIST-CAP	73/083115	4/8/1976	1056611	1/18/1977
US	ORBIT	74/714674	8/14/1995	2194506	10/13/1998
US	ORBIT DEVICE	74/714289	8/14/1995	2194507	10/13/1998
US	OXYCAP	74/467577	12/9/1993	2034078	1/28/1997
US	POLYCROWN	76/262208	5/24/2001		
US	POLYGUARD	430966	8/30/1993	2130819	1/20/1998
US	POLYGUARD	430966/74	8/30/1993	2130819	1/20/1998
US	PROMOGUARD	76/338058	11/14/2001		
US	RISDON	119568	3/12/1977	1220548	12/21/1982
US	RISDON/AMS AND DESIGN	75/498100	6/8/1998	2409795	12/5/2000
US	RISDON/AMS AND DESIGN	75/507719	6/22/1998	2409498	12/5/2000
US	RISDON/AMS AND DESIGN	75/500684	6/10/1998	2409498	12/5/2000
US	RISDON/AMS AND DESIGN	75/506999	6/22/1998	2285025	10/12/1999
US	RISDON/AMS AND DESIGN	75/507680	6/22/1998	2407642	11/28/2000
US	RISDON/AMS AND DESIGN	75/507679	6/22/1998	2409806	12/5/2000
US	SAFERIM	73/136106	8/1/1977	1100781	8/29/1978
US	SINUSOIDAL BRUSH	75/414125	1/6/1998	2347564	5/2/2000
US	STARCAP	75/737974	6/24/1999	2438080	3/27/2001
US	STARCAPPER	75/861137	11/30/1999	2561030	4/16/2002
US	SUPEREND	75/911389	2/7/2000	2666876	12/4/2002
US	TRIMLINE	75/478143	4/30/1998	2563989	4/23/2002
US	ULTRA-SEAL	75/390384	11/14/1997	2396192	10/17/2000
US	VAN DORN	72/117153	4/4/1961	730370	4/24/1962
US	VERI-GREEN	74/710280	8/2/1995	2096396	9/16/1997
US	YOUR PARTNER IN PACKAGING	73/241875	12/7/1979	1197455	6/8/1982
US	ZELSNAP	73/500944	9/24/1984	1449718	7/28/1987

Country	Mark	App. No.	App. Date.	Reg. No.	Reg. Date
US	ZELSTYLE	74/332924	11/19/1992	1780318	7/6/1993
US	ZELVALVE	74/457330	11/8/1993	1966104	4/9/1996
US	DESIGN	74/586754	10/18/1994	2029495	1/14/1997
US	DESIGN	74/586753	10/18/1994	2036366	2/11/1997
US	WORLD-CLASS MANUFACTURING BY CARNAUDMETALBOX	74/586752	10/18/1994	2038086	2/18/1997
US	ZS DESIGN	73/501202	9/26/1984	1351704	7/30/1985
US	ZP DESIGN	73/371627	6/25/1982	1265668	1/31/1984
US	CROWN PARTS ...	73/514470	12/20/1984	1380097	1/28/86
US	CC	72/347,217	12/29/1969	934,623	5/23/1972
US	SURE-TWIST	72/312,228	11/14/1968	875315	8/19/1969
US	CROWN DESIGN	72/176166	9/3/1963	771113	6/9/1964
US	CROWN DESIGN	72/169228	5/20/1963	774318	8/4/1964
US	CROWN DESIGN	72/169227	5/20/1963	776307	9/1/1964
US	CROWN	71/383721	9/28/1936	343530	2/23/1937
US	CCS	71/199776	7/9/1924	191514	11/11/1924
US	FORMFLO	73/108801	7/12/1974	1133976	4/29/1980
US	FF	73/108802	12/7/1976	1133977	4/29/1980
US	SIMPLI-FLEX	74/077695	1673203	1673203	1/28/1992
US	SIMPLIMATIC	73/665132	6/8/1987	1506822	10/4/1988
US	SIMPLI-PAK	76/360843	2/22/1993	1797549	10/12/1993
US	SIMPLIMATIC	73/506460	10/31/1984	1342071	6/18/1985
US	BRIGHT-FILER	74/275400	5/14/1992	1744286	1/5/1993

## RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY

WHEREAS, CROWN CORK & SEAL COMPANY, Inc. a Pennsylvania corporation ("CCSC"), CROWN CORK & SEAL TECHNOLOGIES CORPORATION, a Delaware corporation ("CCST"), and certain of CCSC's other domestic subsidiaries (CCSC and each such subsidiary are referred to collectively herein as "Grantors"), entered into a U.S. Security Agreement, dated as of March 2, 2001 (the "Security Agreement"), with JPMORGAN CHASE BANK (formerly known as THE CHASE MANHATTAN BANK) ("JPMorgan Chase"), as collateral agent (in such capacity, the "Collateral Agent"), for the secured parties identified in the Credit Agreement (as defined below) (the "Secured Parties");

WHEREAS, the Security Agreement was recorded in the United States Patent and Trademark Office on April 11, 2001, at reel/frame 2270/0769 and reel/frame 11667/0001;

WHEREAS, the Security Agreement was recorded in the United States Copyright Office on March 26, 2001 at V3469 D621-624 P1-81;

WHEREAS, Grantors granted to the Collateral Agent, under the terms of the Security Agreement, a continuing security interest (the "Security Interest") in favor of the Collateral Agent in and to the intellectual property described in the Security Agreement, including without limitation the Pledged Intellectual Property (as defined below) owned by Grantors;

WHEREAS, Grantors and the Collateral Agent entered into the Security Agreement in connection with a Credit Agreement dated as of February 4, 1997, as amended and restated as of March 2, 2001, as further amended and restated as of February 4, 2002, and as further amended and restated as of August 5, 2002 (as amended, supplemented or otherwise modified from time to time, the "Credit Agreement"), among CCSC, certain subsidiaries of CCSC, the lenders party thereto (the "Lenders"), and JPMorgan Chase, as administrative agent;

WHEREAS, in connection with a Release and Termination Agreement dated as of the date hereof, the Collateral Agent, on behalf of itself and the other Secured Parties, has agreed to release any and all right, title, and interest of the Collateral Agent, and each other Secured Party, in and to (i) the trademark registrations and applications set forth on Schedule A hereto, and the goodwill associated therewith, (ii) the patents and patent applications set forth on Schedule B hereto, (iii) the copyright registrations set forth on Schedule C, and (iv) all other Intellectual Property (as defined in the Security Agreement) subject to the Security Interest (collectively, the "Pledged Intellectual Property").

NOW, THEREFORE, in consideration of the foregoing, and for other good and valuable consideration, the sufficiency of which is hereby acknowledged, and intending to be legally bound, the Collateral Agent hereby releases the Security Interest in the Pledged Intellectual Property, hereby waives and relinquishes all its rights, powers, privileges and remedies with respect to Grantors and their respective successors and assigns under the Security Agreement with respect to the Pledged Intellectual Property and hereby releases Grantors and their

respective successors and assigns from all covenants, obligations, liabilities and warranties under the Security Agreement with respect to the Pledged Intellectual Property.

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JPMORGAN CHASE BANK, as Collateral  
Agent and on behalf of the other Secured Parties

By:

Michele Howe  
Name: Michele Howe  
Title: Vice President

Date: February 25, 2003

### Exhibit C: Copyright Registrations

<b>Owner</b>	<b>Registration Number</b>	<b>Date</b>	<b>Country</b>	<b>Description</b>
Crown Cork & Seal Technologies Corporation	TX 4-721-742	02/04/1998	USA	EMCS Coating & Stripes Software
Crown Cork & Seal Technologies Corporation	TXu 729-628	06/25/1999	USA	EMCS
Crown Cork & Seal Technologies Corporation	TXu 726-573	06/25/1999	USA	EMCS Object Model Guide
Crown Cork & Seal Technologies Corporation	TXu 729-632	06/25/1999	USA	EMCS Coating & Stripes Software

Exhibit B: Patents and Patent Applications

Title	Country	Grant. No.	App. No.	Grant Date
OR-105 MACHINE	U.S.A.	4510781	517025	4/16/1985
ROLLED RINGS FROM PLAIN STOCK	U.S.A.	4612789	636007	9/23/1986
SOCCER CENTRE VENT -DESIGN CASE	U.S.A.	D305990	845043	5/13/1990
SOCCER SIDE VENT - DESIGN CASE	U.S.A.	D300607	845044	4/11/1989
SOCCER RIM VENT/ARREST - DESIGN CASE	U.S.A.	D300608	845045	4/11/1989
SPIN CURLING CAN ENDS	U.S.A.	5069052	369469	12/3/1991
SOCCER CENTRE VENT 2 HOLE (WITH STRAP) - DESIGN CASE	U.S.A.	D305305	945468	1/2/1990
DIAGNOSTIC TEST STRIP (DOUBLE SPIKE)	U.S.A.	4965047	156837	10/23/1990
METPOLAM (SUB 11/12) AMORPHOUS PET	U.S.A.	5149389	512544	9/22/1992
METPOLAM (SUBMISSION 6) QUENCHED POLYPROPYLENE	U.S.A.	5238517	899949	8/24/1993
DIAGNOSTIC TEST STRIP -DESIGN CASE	U.S.A.	D320269	206169	9/24/1991
DIFFUSION BONDING OF TOOL PARTS	U.S.A.	5054682	403669	10/8/1991
WELD MONITORING BY MEASURING ELECTRODE WHEEL DISPLACEMENT	U.S.A.	5021626	466463	6/4/1991
FLEXICAN RIB AND PANELLED SIDE WALL (QUANTUM/GEMCAN)	U.S.A.	5040698	627424	8/20/1991
PT PLUS CLOSURE (COGNATE)	U.S.A.	5190177	681241	3/2/1993
DRAWN CAN WITH INCOMPLETE INTERNAL COATING	U.S.A.	5575400	806741	11/19/1996
"LE SHAPE" BLOW FORMED CANS	U.S.A.	5187962	903219	2/23/1993
FLEXICAN APPARATUS: QUANTUM/GEMCAN	U.S.A.	5261261	806513	11/16/1993
ZEBRA: FLOATING DIES	U.S.A.	5691409	517470	12/2/1997
TOP-LOADED COMBO CLOSURE	U.S.A.	4694970	874639	9/22/1987
PRESON CLOSURE WITH FLOATING DISC	U.S.A.	5341949	015284	8/30/1994
SEAMING CHUCKS WITH HARD ANNULUS	U.S.A.	5813812	906837	9/29/1998
TAMPER EVIDENT PLASTIC CLOSURE	U.S.A.	4579241	676497	4/1/1986
DISPENSER PACKAGE	U.S.A.	4651905	748869	3/24/1987
TAMPER-EVIDENT CLOSURE (TORQUE BAR)	U.S.A.	4657153	799328	4/14/1987
MEANS FOR SEALING CONTAINERS	U.S.A.	4716708	852037	1/5/1988
METHOD OF MANUFACTURING TAMPER-EVIDENT CLOSURE (HAYES)	U.S.A.	4748735	030491	6/7/1988
COMBO CLOSURE WITH DEEP SEAL	U.S.A.	4813561	161726	3/21/1989



Title	Country	Grant. No.	App. No.	Grant Date
PRESS-ON-TWIST-OFF PLASTISOL-LINED METAL CLOSURE	U.S.A.	4863030	226492	9/5/1989
PUMP DISPENSER PACKAGE (HAYES AND LOMAGLIO)	U.S.A.	5016783	361379	5/21/1991
PUMP DISPENSER PACKAGE (HAYES AND LOMAGLIO)	U.S.A.	5085347	645097	2/4/1992
TRI-SAFETY CLOSURE	U.S.A.	4978016	401966	12/18/1990
VENTING-COMBO CLOSURE WITH SELECTABLE DISKS	U.S.A.	5062538	535114	11/5/1991
LOW HEIGHT COMBO CLOSURE WITH FLOATING DISK	U.S.A.	5031787	535756	7/16/1991
CONTAINER CLOSURE WITH INTERNAL CHANNELS FOR WASHING AN INTER SPACE	U.S.A.	5078290	566239	1/7/1992
PRESON CLOSURE (MICROSEAL WITH INCREASED HEADSPACE)	U.S.A.	5258191	820445	11/2/1993
TE COMBO CLOSURE WITH INDICATOR	U.S.A.	5346082	071764	9/13/1994
ROTATIONAL COSMETIC COMPACT	U.S.A.	4777969	801824	10/18/1988
LIPSTICK DISPENSER FOR SHAPED POMADES	U.S.A.	5102249	673327	4/7/1992
INNERBODY FLEX TAB COSMETIC DISPENSER	U.S.A.	5186560	831189	2/16/1993
INCREMENTAL FEEL COSMETIC DISPENSER	U.S.A.	5186561	852774	2/16/1993
DISPENSER WITH REPLACEABLE COSMETIC HOLDER	U.S.A.	5399040	088213	3/21/1995
COSMETIC DISPENSER WITH LONG LASTING SWIVEL DRAG EFFECT	U.S.A.	5324126	049952	6/28/1994
COSMETIC PRODUCT SELF AGITATION CONTAINER	U.S.A.	5226744	987005	7/13/1993
ZELKOMBI	U.S.A.	4615462	06/744116	10/7/1986
MINIMUM AMOUNT DOSER - (18433)	U.S.A.	4615437	757547	10/7/1986
INSERT FOR TUBES, BOTTLE NECKS ETC. - (19054)	U.S.A.	4752015	043142	6/21/1988
VENUS PUSH-PULL CLOSURE WITH CAMMING SKIRT	U.S.A.	5850951	710741	12/22/1998
HYDROJAR SHEAR SEAL	U.S.A.	5725120	442113	3/10/1998
SHOWER PACK WITH LEAKPROOF VALVE	U.S.A.	5632420	425088	5/27/1997
PT PLUS CAP APPLICATOR	U.S.A.	5699654	610153	12/23/1997
202 MINI SEAM AND CAN END	U.S.A.	5911551	790305	6/15/1999
DOUBLE SEAMER WITH ANNULAR TOOL (ORBIT)	U.S.A.	5782599	551948	7/21/1998
CLOSURE WITH PLASTIC INSERT DISK (JUPITER)	U.S.A.	5839592	488874	11/24/1998
DISTRIB UTEUR	U.S.A.	4805807	112216	2/21/1989
MASCARA CONTAINER HAVING A STIRRER AND A SEPARATE WIPER	U.S.A.	5700100	803080	12/23/1997
BOUCHON VERSEUR EN MATIERE SYNTHETIQUE A CAPUCHON ARTICULE	U.S.A.	5141138	551515	8/25/1992

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Title	Country	Grant. No.	App. No.	Grant Date
TRIGGER PUMP DISPENSER (SPRAY SOL)	U.S.A.	5984149	557648	11/16/1999
<del>BEV CAN END WITH INCLINED CHUCK WALL (SUPEREND)</del>	U.S.A.		<del>024862</del>	
DOUBLE SEAMER TOOL WITH TWIN PROFILES (ORBIT)	U.S.A.	5839869	552360	11/24/1998
PERSON CAPPER WITH BRIDGE BAR STOPS	U.S.A.	5758476	725893	6/2/1998
PLEATED BAND - PCP 004	U.S.A.	5400913	995765	3/28/1995
BRIDGE PATTERN - PCP 005	U.S.A.	5405032	009665	4/11/1995
<del>2-PHASE HINGE CLOSURE CHECKER - PCP 012</del>	U.S.A.		<del>509788</del>	
MTE-BAND WITH FLEXIBLE WEBS BETWEEN LOCKING TABS - PCCD 017	U.S.A.	4470513	422014	9/11/1984
MTE BAND WITH SCALLOPED LOCKING TABS JOINED BY FLEXIBLE WEBS - PCCD018	U.S.A.	4478343	422096	10/23/1984
CLOSURE WITH MTE BAND AS 180 DEGREE PIGTAILS - PCCD 019	U.S.A.	4458822	448065	7/10/1984
CLOSURE WITH DOUBLE-PIGTAIL MTE BAND - WEBS II - PCCD 020	U.S.A.	4458821	448064	7/10/1984
REINFORCED VENT SLOTS II - PCCD 021	U.S.A.	4747502	98084	5/31/1988
AUF LAUF BREMSE (BRAKE AGAINST OVERTURNING) - PCC004	U.S.A.	5197621	598709	3/30/1993
MGB-ZUNGEN - (REINFORCED RETAINING TABS) - PCC 005	U.S.A.	4784280	152766	11/15/1988
CLOSURE WITH OLIVE WITH VENT SLOTS - (PCC 021)	U.S.A.	5803286	725057	9/8/1998
<del>CLOSURE WITH OLIVE WITH VENT SLOTS - (PCC 021)</del>	U.S.A.		<del>363383</del>	
AUF LAUF BREMSE ULDESA (OVERTURN PROTECTION) - PCC 027	U.S.A.	5133471	492977	7/28/1992
PLEATED FLAPS/REVERSED SCALLOPS - PCC 031	U.S.A.	5775527	582366	7/7/1998
FANGBAND II (CAP WITH TETHERED TE BAND) - PCC 032	U.S.A.	5725115	582356	3/10/1998
DOUBLE STACKER PT CAP	U.S.A.	5740914	681156	4/21/1998
COSMETIC DISPENSER WITH LOCKING CUP REPLACEABLE CARTRIDGE	U.S.A.	5649777	336376	7/22/1997
COSMETIC DISPENSER WITH CAM LOCKING FEATURE	U.S.A.	5636930	365016	6/10/1997
M/A FOR TRANSFERRING NONORIENTED MASCARA APPLICATIONS	U.S.A.	5713454	490225	2/3/1998
MASCARA APPLICATOR AND METHOD OF MAKING THE SAME	U.S.A.	5595198	472955	1/21/1997
MASCARA APPLICATOR HAVING TUBULAR SLOTTED BRISTLES	U.S.A.	5762432	730503	6/9/1998
MASCARA APPLICATOR HAVING TUBULAR SLOTTED BRISTLES	U.S.A.	5567072	477919	10/22/1996
<del>ALASKA END MANUFACTURE</del>	U.S.A.		<del>862293</del>	
LIPSTICK CASE WITH RESILIENT FRICTION TAB	U.S.A.	5172993	833053	12/22/1992
MASCARA CONTAINER WITH STIRRER	U.S.A.	5172992	848322	12/22/1992

Title	Country	Grant. No.	App. No.	Grant Date
COSMETIC APPLIER COMPRISING A CONTAINER ASSEMBLY	U.S.A.	5324125	974292	6/28/1994
COSMETIC COMPACT (PUSH BUTTON POP-UP)	U.S.A.	5320116	85113	6/14/1994
SNAP-TOGETHER LIPSTICK BASE AND CARTRIDGE	U.S.A.	5599124	546417	2/4/1997
COSMETIC CONTAINER CONSTRUCTION III	U.S.A.	4514102	538908	4/30/1985
COSMETIC CONTAINER CONSTRUCTION	U.S.A.	4966479	293208	10/30/1990
AMS - DISPOSITIF DE BOUCHAGE POUR FLACON	U.S.A.	4591063	642171	5/27/1986
COMPACT WITH REPLACEABLE PRODUCT TRAY	U.S.A.	5605167	510550	2/25/1997
ZELLER SNAP-HINGE CLOSURE MOULDED IN CLOSED POSITION (O-CAP)	U.S.A.	5335802	942813	8/9/1994
NOVALINE DISPENSER - FASHION PART DESIGN 1 (AMS UK)	U.S.A.	D317253	254128	6/4/1991
NOVALINE DISPENSER - FASHION PART DESIGN 2 (AMS UK)	U.S.A.	D324491	271847	3/10/1992
NOVALINE DISPENSER - FASHION PART DESIGN 3 (AMS UK)	U.S.A.	D315292	254297	3/12/1991
MILK CAN END 2 FOR CC FRIESLAND (DESIGN)	U.S.A.	D321326	303777	11/15/1991
NIC MILK CAN END 3 (DESIGN)	U.S.A.	D332402	498798	1/12/1993
PT PLUS CLOSURE - DESIGN	U.S.A.	D329200	623245	9/8/1992
LARGE APERTURE E O CAN END (DESIGN)	U.S.A.	D337521	705794	7/20/1993
QUANTUM: CAN WITH PANELLED SIDE WALL (DESIGN)	U.S.A.	D345015	683376	3/15/1994
CHATENAY 45 - LIQUIFIED GAS CONTAINER	U.S.A.	D340504	D740476	10/19/1993
CHATENAY 48 - EOLE CAN END WITH C PROFILE	U.S.A.	D352898	001330	11/29/1994
COMPOSITE TAMPER-EVIDENT CLOSURE CAP (DESIGN) - (OCHS)	U.S.A.	D318804	056741	8/6/1991
COMPOSITE CLOSURE CAP (DESIGN) - (OCHS)	U.S.A.	D315507	056742	3/19/1991
DISPENSER	U.S.A.	D308474	852885	6/12/1990
ECO-CLOSURE	U.S.A.	D367424	29/008556	2/27/1996
ECO-CLOSURE	U.S.A.	D362186	29/008555	9/12/1995
FLORENCE GLASS BOTTLE AND LID (AMS FR)	U.S.A.	D310480	257039	9/11/1990
FLORENCE GLASS BOTTLE AND LID (AMS FR)	U.S.A.	D299694	776289	2/7/1989
DALLAS & CAPITOLE SCREW STOPPERS (AMS FR)	U.S.A.	D305871	929706	2/6/1990
BOTTLE CAP FOR SPRAY BOTTLE (AMS FR)	U.S.A.	D312574	112062	12/4/1990
SPRAY DISPENSER (AMS FR)	U.S.A.	D309418	103103	7/24/1990
DISPENSING FLASK (AMS FR)	U.S.A.	D324338	279650	3/3/1992
DISPENSING FLASK (AMS FR)	U.S.A.	D323982	279651	2/18/1992
MASCARA BOTTLE	U.S.A.	D344158	791622	2/8/1994

Title	Country	Grant. No.	App. No.	Grant Date
TAMPER-EVIDENCING CLOSURE - (VENUS)	U.S.A.	D369297	029214	4/30/1996
SMOOTH PROFILE CONTAINER WITH SHRINK BAND LABEL - (VENUS)	U.S.A.	D381259	029225	7/22/1997
STEPPED AEROSOL BODIES - I (CAPUCCINO)	U.S.A.	D378572	044948	3/25/1997
SUPEREND 206 CAN END	U.S.A.	D406236	052695	3/2/1999
SLIMFAST WAISTED TIN	U.S.A.	D398531	053925	9/22/1998
2 MODELES DE FLACON FIZZ VAPOSAC WAYNE	U.S.A.	D231033		
SHAPED CAN DESIGN (LIBERTY STYLE)	U.S.A.	D309418	103103	7/24/1990
SHAPED CAN DESIGN (BRAHMA STYLE)	U.S.A.	D409496	079541	5/11/1999
<del>SHAPED CAN DESIGN (MICHELOB STYLE I)</del>	U.S.A.		079540	
SHAPED CAN DESIGN (SINGHA STYLE)	U.S.A.	D399428	079539	10/13/1998
SHAPED CAN DESIGN (LIBERTY STYLE)	U.S.A.	D399430	079549	10/13/1998
SHAPED CAN DESIGN (MICHELOB STYLE)	U.S.A.	D399753	079548	10/20/1998
SHAPED CAN DESIGN (MICHELOB STYLE II)	U.S.A.	D399425	079546	10/13/1998
SHAPED CAN DESIGN (QUILMES STYLE)	U.S.A.	D399429	079547	10/13/1998
SHAPED CAN DESIGN (MICHELOB STYLE III)	U.S.A.	D403962	079550	1/12/1999
SHAPED CAN DESIGN (TENNANTS STYLE)	U.S.A.	D403963	079551	1/12/1999
SOLE EASY END PANEL	U.S.A.	D421907	084857	3/28/2000
DISPENSING CLOSURE WITH PRESSURE ACTUATED VALVE - DESIGN	U.S.A.	D398851	076273	9/29/1998
CLOSURE WITH LENTICULAR LENS INSERT - DESIGN	U.S.A.	D427068	083647	6/27/2000
SHAPED CAN DESIGN - EFES TURKEY	U.S.A.	D416200	100627	11/9/1999
SHAPED CAN DESIGN - COLUMNS ONLY	U.S.A.	D421393	100626	3/7/2000
TE ZEL SNAP CLOSURES FOR TUBE - DESIGN	U.S.A.	D411744	078618	6/29/1999
PROMOTIONAL TAB (ENGRAVED/EMBOSSED)	U.S.A.	D426771	108160	6/20/2000
PROMOTIONAL TAB (CUT-OUT)	U.S.A.	D426155	108161	6/6/2000
SUPEREND LOE (GULPER) 202	U.S.A.		29/149028	
SUPEREND LOE (GULPER) 202	U.S.A.	D448666	29/135401	10/2/2001
Veri-Green Process (Ionization)	U.S.A.	4473591	449914	9/25/1984
Pull-Tab Forming Method - Double Guard	U.S.A.	4511299	528584	4/16/1985
STRENGTH AEROSOL DOME	U.S.A.	4775071	531313	10/4/1988
Ceramic Punch Nose Insert	U.S.A.	6434996	09/095813	8/20/2002

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Title	Country	Grant. No.	App. No.	Grant Date
Verigreen Process	U.S.A.	4615924	640474	10/7/1986
EZ Open Can End - Moustache Score	U.S.A.	4535909	592831	8/20/1985
Pull-Tab Manufacturing Method	U.S.A.	4804105	179998	2/14/1989
Sealing Head (for a Lid)	U.S.A.	5109653	207654	5/5/1992
Moustache Score on Easy Open End	U.S.A.	5052573	482518	10/1/1991
Crabtree Blank Printer	U.S.A.	5339731	128057	8/23/1994
EZ Open End (Full Open)	U.S.A.	5232114	927829	8/3/1993
Collapsed Body Bead	U.S.A.	5232121	888886	8/3/1993
CONSTANT SPEED SPINDLES FOR ROTARY CAPPING MACHINE	U.S.A.	5419094	204543	5/30/1995
TE Closure - Project Alsip/Bayonet Joint	U.S.A.	5443175	229828	8/22/1995
Countersink Reform in Pre-Curl	U.S.A.		09/863160	
Countersink Reform in Pre-Curl	U.S.A.	6089072	09/137436	7/18/2000
Shaped Can (Pre-Compression & Partial Annealing)	U.S.A.	5960659	09/025609	10/5/1999
Shaped Can (Pre-Compression & Partial Annealing)	U.S.A.	5746080	08/551073	5/5/1998
Shaped Can (Axially Moving Molds)	U.S.A.	5829290	932797	11/3/1998
Shaped Can (Combination Filing)	U.S.A.	5970767	09/143082	10/26/1999
Shaped Can (Combination Filing)	U.S.A.	5832766	08/683575	11/10/1998
Waste Stream Purifying System	U.S.A.	5554296	441022	9/10/1996
Improved Necking Process (Crown 9 & 11 Tooling)	U.S.A.	5724848	759189	3/10/1998
Flange Width Reduction Method and Apparatus	U.S.A.	5813267	08/608125	9/29/1998
Shaped Can Reinforcing Grid Structure	U.S.A.	5938389	08/900564	8/17/1999
Push/Pull Closure	U.S.A.	5931350	08/800860	8/3/1999
Reduced Splash SOT End	U.S.A.	5931331	08/805204	8/3/1999
Push/Pull Dispensing Closure for a Water Bottle	U.S.A.	6056161	09/141658	5/2/2000
Single Piece Push Pull Dispensing Closure and Assembly	U.S.A.		AWAITED	
Single Piece Push Pull Dispensing Closure and Assembly	U.S.A.		09/775977	
Single Piece Push Pull Dispensing Closure and Assembly	U.S.A.	6206230	09/455200	3/27/2001
Closure Bulk Handling System	U.S.A.	6135676	08/997268	10/24/2000
Tamper Resistant Band with Fish Hook Undercut	U.S.A.	6085921	09/032542	7/11/2000
Chuck (Countersink) Wall Reform During Seaming	U.S.A.	6408498	09/625772	6/25/2002
Chuck (Countersink) Wall Reform During Seaming	U.S.A.	6102243	09/140722	8/15/2000
CSD Closure Thread Restrictor to Prevent Blow-Off	U.S.A.	5884790	08/961538	3/23/1999

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Title	Country	Grant. No.	App. No.	Grant Date
EZ Open End With Deboss - Can Lid - 211	U.S.A.		09/742271	
EZ Open End With Deboss - Can Lid - 211	U.S.A.	6164480	09/281614	12/26/2000
Can Bottom Having Improved Pressure Resistance and	U.S.A.	6220073	09/557522	4/24/2001
Can Bottom Having Improved Pressure Resistance and	U.S.A.	6131761	09/325591	10/17/2000
Necking With Stationary Tooling	U.S.A.	6094961	09/241481	8/1/2000
Plastic Ear Collar	U.S.A.	6047850	09/123237	4/11/2000
Close Coupling of Die Neckers	U.S.A.		10/160598	
Close Coupling of Die Neckers	U.S.A.	6240760	09/558128	6/5/2001
Close Coupling of Die Neckers	U.S.A.	6085563	09/177036	7/11/2000
<del>SINGLE KNIFE SCORE DIE AND SINGLE TRACK OPENING FOR</del>	<del>U.S.A.</del>			
SINGLE KNIFE SCORE-DIE AND SINGLE TRACK OPENING FOR	U.S.A.		09/417738	
Y2K TESTING SOFTWARE	U.S.A.		60/108249	
Improved Drainage Bevgard Closure (Hot Fill Closure w/ Venting Drain)	U.S.A.	6253939	09/224962	7/3/2001
Oxygen Scavenging Gasket	U.S.A.	6290871	09/767142	9/18/2001
Oxygen Scavenging Gasket	U.S.A.	6210601	09/295451	4/3/2001
Safe Rim & Panel Open Fold Design	U.S.A.		10/133129	
Safe Rim & Panel Open Fold Design	U.S.A.	6401956	09/400032	6/11/2002
Vented Composite Closure	U.S.A.	6276543	09/314507	8/21/2001
Hexabin, Sidewall Shipping Container	U.S.A.	6298994	09/439014	10/9/2001
ONE PIECE GUZZLER TEAR BAND CLOSURE	U.S.A.	6298994	09/395910	10/9/2001
Top Vented Beverage Closure	U.S.A.	6202871	09/384825	3/20/2001
No Compound Detector/No Gasket Detector/Compound Detector	U.S.A.		10/041374	
No Compound Detector/No Gasket Detector/Compound Detector	U.S.A.	6376006	09/479140	4/23/2002
METHOD OF MANUFACTURING DOUBLE REDUCED SANITARY OR CLASSIC ENDS WITH	U.S.A.		09/503816	
Closure to trap vinegar/water between disk and closure dome while	U.S.A.	6315160	09/484074	11/13/2001
VISCOUS PRODUCT CLOSURE	U.S.A.	6488186	09/973663	12/3/2002
Plastic Container with Steel Flange	U.S.A.		09/676626	
Improved Easy Open End and Method of Making	U.S.A.		09/547616	
DRAW-RE-DRAW RIBBED FOOD CAN	U.S.A.	6374657	09/699742	4/23/2002
Laser Slitter	U.S.A.		09/678530	
Forming Method for a Safety Can End	U.S.A.	6428261	09/578044	8/6/2002

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Title	Country	Grant. No.	App. No.	Grant Date
Two-piece Drawn Wall Iron Can for Light Colored Fruit	U.S.A.		09/618435	
METHOD FOR MAKING EASY-OPEN ENDS	U.S.A.	6425721	09/607821	7/30/2002
APPARATUS FOR DOUBLE SEAMING CONTAINERS	U.S.A.		10/274797	
RETORTABLE ALL PLASTIC CLOSURE	U.S.A.		09/689934	
WATER-TITE TUBE CLOSURE	U.S.A.		09/814358	
DOUBLE TAMPER EVIDENT SNAP-ON CAM-OFF COMPOSITE	U.S.A.		10/041232	
GAUGE G-323-1	U.S.A.		10/288869	
Dual Dispensing Closure	U.S.A.		09/861236	
ELONGATED ORIFICE CLOSURE	U.S.A.		10/068714	
ELONGATED ORIFICE CLOSURE	U.S.A.		09/780760	
PLASTIC BAND FOR COMPOSITE CLOSURE WITH INTERNAL THREAD	U.S.A.		10/079769	
GASKET FOR PRESS-ON TWIST-OFF CLOSURE	U.S.A.		10/287997	
GASKET FOR PRESS-ON TWIST-OFF CLOSURE	U.S.A.		09/864410	
POLY CROWN CLOSURE	U.S.A.		10/322885	
POLY CROWN CLOSURE	U.S.A.		09/946049	
SPORTGUARD CLOSURE	U.S.A.		10/290727	
SPORTGUARD CLOSURE	U.S.A.		09/911052	
Tamper Indicating Composite Closure Having Positive Disk Tightening	U.S.A.		10/062115	
BULK CLOSURE DISPENSING SYSTEM	U.S.A.		10/262803	
BULK CLOSURE DISPENSING SYSTEM	U.S.A.		60/326845	
TE BAND WITH INTEGRATED VENTING	U.S.A.		10/076722	
SONIC WELDED TUBE CLOSURE	U.S.A.		10/197010	
BRIDGELESS CLOSE COUPLING CONVERSION PROCESS FOR BELVAC NECKERS	U.S.A.		10/236521	
TAMPER EVIDENT CLOSURE WITH LOCKING BAND	U.S.A.		10/241416	
Fluted Can	U.S.A.	D355129	948912	2/7/1995
Fluted Can	U.S.A.	D355368	948905	2/14/1995
Fluted Container Wall	U.S.A.	D367426	18042/29	2/27/1996
PET Trigger Sprayer (Clorox 22/32 oz.)	U.S.A.		068257/29	
Exxon Ribbed Oil Bottle	U.S.A.		071005/29	
CLOSURE	U.S.A.	D455077	29/117103	4/2/2002
DUAL DISPENSING CLOSURE	U.S.A.	D458135	29/143497	6/4/2002

Title	Country	Grant. No.	App. No.	Grant Date
DESIGN OF MOLDED GASKET IN A PRESS-ON, TWIST-OFF CLOSURE TO	U.S.A.		29/156816	
GASKET FOR PUSH-ON TWIST-OFF CLOSURE	U.S.A.		29/156815	
POLY CROWN CLOSURE	U.S.A.		29/147635	
SPORTGUARD CLOSURE	U.S.A.		29/154276	
PLASTIC CLOSURE	U.S.A.	D459228	29/143494	6/25/2002
TE BAND WITH INTEGRATED VENTING	U.S.A.		29/156612	
PORTION OF CLOSURE - rib structure to improve top load	U.S.A.		29/169608	
DUAL HINGED REFILLABLE COSMETIC CASE	U.S.A.	5638839	529430	6/17/1997
SHIPLEY DOME STATION	U.S.A.	6351981	526518	3/5/2002
ROUNDED FLAPS (PCP 019)	U.S.A.	5727705	754985	3/17/1998
CLOSURE WITH LENTICULAR LENS INSERT - PATENT	U.S.A.	6065623	09/023539	5/23/2000
CLOSURE HAVING A LENTICULAR LENS	U.S.A.		10/068367	
CLOSURE HAVING A LENTICULAR LENS	U.S.A.	6394293	09/460776	5/28/2002
FLANGE REFORMING	U.S.A.	6055836	227741	5/2/2000
BASE PROFILE REFORMING (SHIPLEY)	U.S.A.	6058753	207252	5/9/2000
BODYMAKER AIR STRIP VALVE	U.S.A.	602670	205730	2/22/2000
DISPENSING (BLASTER) CLOSURE WITH PRESSURE ACTUATED VALVE - PATENT	U.S.A.	6089418	880208	7/18/2000
COVER FOR DISPENSING CLOSURE WITH PRESSURE ACUTATED VALVE	U.S.A.		10/098819	
ZELSP0UT (GUZZLER) CLOSURE WITH ARTICULATED LID	U.S.A.	6460726	09/718817	10/8/2002
ZELSP0UT (GUZZLER) CLOSURE WITH ARTICULATED LID	U.S.A.	6152320	09/093290	11/28/2000
SEALED LIPSTICK CONTAINER	U.S.A.	5863144	900730	1/26/1999
ALUMINIUM EXTRUDED COSMETIC CONTAINER "ALUSLEEVE DECOR"	U.S.A.	6457223	576247	10/1/2002
SEALED LIPSTICK DISPENSER	U.S.A.	6200047	307401	3/13/2001
LIPSTICK DISPENSER WITH FUNCTIONAL A-SHELL	U.S.A.	6227733	307297	5/8/2001
SLIM DISPENSER	U.S.A.	6231254	307516	5/15/2001
LIPSTICK CONTAINER AND METHOD OF MAKING SAME	U.S.A.	5902061	09/028106	5/11/1999
LOCKING LIPSTICK CONTAINER	U.S.A.	5984552	028105	11/16/1999
J GARDNER - BEVERAGE END	U.S.A.		10/095203	
SLIDER II DISPENSING CLOSURE	U.S.A.		AWARDED	

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Title	Country	Grant. No.	App. No.	Grant Date
SLIDER II DISPENSING CLOSURE	U.S.A.	6478194	09/987541	11/12/2002
ELOPAK RING PULL CARTON CLOSURE	U.S.A.		878996	
DISPENSER WITH POMADE HOLDING FLEX TAB	U.S.A.	6244770	569669	6/12/2001
CURLED GROWN (PROJECT LINGOLN) - REPILE	U.S.A.		090814	
DISPENSER FOR COSMETICS CONTAINING SUNSCREEN	U.S.A.		979212	
METHOD OF MFG ANODIZED METAL COSMETIC CASE	U.S.A.		013424	
MASCARA BRUSH WITH LARGE DIAMETER/HIGH DUROMETER FIBRES	U.S.A.		075736	
MASCARA BRUSH WITH DUAL LUMEN BRISTLE FIBRES	U.S.A.		134829	
MASCARA BRUSH WITH Z-SHAPED BRISTLE FIBRES	U.S.A.		134826	
MASCARA BRUSH WITH SMALL DIAMETER BRISTLE FIBRES	U.S.A.		134584	
MASCARA BRUSH WITH ANTI-BACTERIAL BRISTLE FIBRES	U.S.A.		134918	
MASCARA BRUSH WITH SPLIT HOLLOW FILAMENTS	U.S.A.		175567	
DUAL COSMETIC APPLICATOR UNIT	U.S.A.		266902	
METHOD OF MOLDING DECORATIVE ELEMENTS FOR COSMETIC PACKAGING	U.S.A.		285189	
WIRE-CORE MASCARA BRUSH	U.S.A.		225039	
REFORMING CAN BOTTOMS BY SPINNING (EXTERNAL BPR)	U.S.A. [PCT]	4885924	541346	12/12/1989
SPIN P-NECK	U.S.A. [PCT]	4606207	646375	8/19/1986
METPOLAM (SUBMISSION 7)	U.S.A. [PCT]	5059460	378201	10/22/1991
PET/GOPOLYESTER/METAL/COPOLYESTER/PET				
METPOLAM (SUB.17) FORMING TOOLS FOR POL YESTER COATED DWI CAN	U.S.A. [PCT]	5168742	634194	12/8/1992
PRESON CLOSURE (MICROSEAL WITH INCREASED HEADSPACE)	U.S.A. [PCT]	5443853	256242	8/22/1995
TEXTURED CANS	U.S.A. [PCT]	5699932	646328	12/23/1997
BASE FORMING	U.S.A. [PCT]	5984604	930639	11/16/1999
ATLAS FLANGE	U.S.A. [PCT]	5957647	930640	9/28/1999
FRANGIBLE BRIDGE CUTTING FOR PT-PLUS CLOSURES	U.S.A. [PCT]	5809860	817200	9/22/1998
TRIGGER PUMP DISPENSER (SPRAYSOL)	U.S.A. [PCT]	5884820	836289	3/23/1999
BICAN AEROSOL WITH ENVALPAK (BAKERLOO)	U.S.A. [PCT]	6189744	077462	2/20/2001
BEVCAN END WITH INCLINED CHUCK WALL (SUPEREND)	U.S.A. [PCT]	6065634	945698	5/23/2000
ZELSAFE CR HINGED CLOSURE	U.S.A. [PCT]	6170710	09/011946	1/9/2001
JUPITER CLOSURE - BOTTOM LOAD WITH FLAT DISC	U.S.A. [PCT]	6220466	155147	4/24/2001

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Title	Country	Grant No.	App. No.	Grant Date
ORIENTATION BY CAN TRANSFER/SPEED VARIATION	U.S.A. [PCT]	6009733	068607	1/4/2000
2 THREAD VENTING - PCC 035	U.S.A. [PCT]	6006930	117517	12/28/1999
CLOSURE WITH CO MECHANICAL TE-BAND - PCC 005	U.S.A. [PCT]	4664279	786965	5/12/1987
ATASKA- END-MANUFACTURE	U.S.A. [PCT]		403209	
WELD EXTRUSION MONITOR	U.S.A. [PCT]	6160235	269504	12/12/2000
CAPTIVATOR MK II IN-BORE NR FITMENT	U.S.A. [PCT]	6357614	381731	3/19/2002
MEMO TE CLOSURE (TABS/NOTCHES TO ASSIST DEMOULDING)	U.S.A. [PCT]		101432	
OVERTURN VENTING - PCC 022	U.S.A. [PCT]	5871111	530237	2/16/1999
PROJECT MORSE - Z1 VALVE	U.S.A. [PCT]	6273305	486909	8/14/2001
CONICAL SUPPORT (AND OTHER FEATURES) FOR SELF-CLOSING VALVES	U.S.A. [PCT]	6095381	09/029430	8/1/2000
MITTENANBINDUNG FOR SELF-CLOSING VALVES - SUFFA	U.S.A. [PCT]	6213355	194547	4/10/2001
REINFORCING RING ON HEAD OF SELF-CLOSING VALVE - SUFFA	U.S.A. [PCT]	6367668	269677	4/9/2002
Supervent with Decorated Chuck Wall	U.S.A. [PCT]		AWAITED	
GRAIN ORIENTATION	U.S.A. [PCT]	6341709	424791	1/29/2002
HARMONIC DRIVE FOR BODYMAKER DISCHARGE AREA	U.S.A. [PCT]	6357982	423176	3/19/2002
POURING CLOSURE WITH STABILISING BEAD ("OSIRIS")	U.S.A. [PCT]	6283317	445727	9/4/2001
RESILIENT TOOLING FOR TEXTURING	U.S.A. [PCT]	6311533	529114	11/6/2001
SHIPLEY DOME STATION	U.S.A. [PCT]	6351980	508568	3/5/2002
PROSCAN COATING TESTER	U.S.A. [PCT]	6392420	622339	5/21/2002
MORSE SELF-CLOSING VALVE (LIGHTWEIGHT DESIGN)	U.S.A. [PCT]	6371340	831732	4/16/2002
LANED SCREW CLOSURE DEMOULDING	U.S.A. [PCT]		700026	
SEQUENT SEQUENTIALLY MOULDED TIE CLOSURE	U.S.A. [PCT]		868985	
SHIPLEY HIGH PRESSURE RINGER	U.S.A. [PCT]		869072	
CAPTIVATOR - SPRING MARGIN FLANGE	U.S.A. [PCT]		914473	
VENTING CLOSURE - PCCA 008	U.S.A. [PCT]		763310	
SUPER END LARGE OPENING END (LOE/GULLPER)	U.S.A. [PCT]		09/857145	
UNDERCUT PR BLOCK - PCCA 004	U.S.A. [PCT]		787047	
SEGMENTED PR BLOCK - PCCA 005	U.S.A. [PCT]	6502710	787046	1/7/2003
TETHERED TE SCREW CLOSURE	U.S.A. [PCT]	6474491	830539	11/5/2002
P-SYSTEM AIRTIGHT COMPACT	U.S.A. [PCT]		868986	
RECLOSEABLE POURING LIP FOR A CONTAINER SUCH AS CARTON BRICKS	U.S.A. [PCT]		890911	

Title	Country	Grant No.	App. No.	Grant Date
DISPENSING CLOSURE WITH SELF-CLOSING VALVE & SHIPPING SEAL	U.S.A. [PCT]		989459	
HUMBOLDT SELF-COOLING CAN - SATURN REVISITED	U.S.A. [PCT]		10/048308	
KETCHUP CLOSURE WITH ANTI-SERUM VALVE	U.S.A. [PCT]		030627	
HUMBOLDT SELF-COOLING CAN -ACTUATION	U.S.A. [PCT]		048321	
SEQUENTIAL COMPRESSION MOLDING HI (THIN SECTIONS)	U.S.A. [PCT]		129730	
HINGED TRUMPET SEAL/DUCK BEAK SEAL	U.S.A. [PCT]		110543	
"OVERTURN RIBS"	U.S.A. [PCT]		AWAITED	
PROJECT EXPERT - LOW COST LOTION PUMP	U.S.A. [PCT]		240153	
SEQUENTIALLY MOLDED HINGE TUBE CLOSURE	U.S.A. [PCT]		AWAITED	
J GARDINER - BEVERAGE END	U.S.A. [PCT]	6425493	530927	7/30/2002
PERFORMED DREAM PLUS INSERT (SUPERCAP)	U.S.A. [PCT]		AWAITED	
HYDRAULICALLY - POWERED HOLD-DOWN MECHANISM	U.S.A. [PCT]		276420	
BLORAK PRO-PIERCE CARTON CLOSURE	U.S.A. [PCT]		AWAITED	

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