

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5528510

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	TERMINATION OF SECURITY INTEREST IN PATENTS (SECOND LIEN)

CONVEYING PARTY DATA

Name	Execution Date
GOLDMAN SACHS BANK USA	10/01/2014

RECEIVING PARTY DATA

Name:	RANPAK CORP.
Street Address:	7990 AUBURN ROAD
City:	CONCORD TOWNSHIP
State/Country:	OHIO
Postal Code:	44077

PROPERTY NUMBERS Total: 132

Property Type	Number
Patent Number:	D477323
Patent Number:	8341092
Patent Number:	8272195
Patent Number:	8202209
Patent Number:	8177701
Patent Number:	8177697
Patent Number:	8087218
Patent Number:	7955245
Patent Number:	7866125
Patent Number:	7850589
Patent Number:	7849664
Patent Number:	7815989
Patent Number:	7814734
Patent Number:	7814733
Patent Number:	7803100
Patent Number:	7794382
Patent Number:	7788884
Patent Number:	7740573
Patent Number:	7722519
Patent Number:	7665275

PATENT

Property Type	Number
Patent Number:	7614994
Patent Number:	7585268
Patent Number:	7584592
Patent Number:	7572216
Patent Number:	7452316
Patent Number:	7407471
Patent Number:	7361132
Patent Number:	7351466
Patent Number:	7337595
Patent Number:	7260922
Patent Number:	7258657
Patent Number:	7195585
Patent Number:	7186208
Patent Number:	7125375
Patent Number:	7083560
Patent Number:	7044903
Patent Number:	7041043
Patent Number:	6918489
Patent Number:	6887329
Patent Number:	6877297
Patent Number:	6783489
Patent Number:	6758801
Patent Number:	6756096
Patent Number:	6718729
Patent Number:	6699167
Patent Number:	6676589
Patent Number:	6626813
Patent Number:	6626812
Patent Number:	6610001
Patent Number:	6540652
Patent Number:	6524230
Patent Number:	6475130
Patent Number:	6468197
Patent Number:	6436511
Patent Number:	6432032
Patent Number:	6416451
Patent Number:	6387029
Patent Number:	6311596

Property Type	Number
Patent Number:	6254945
Patent Number:	6240705
Patent Number:	6217498
Patent Number:	6207249
Patent Number:	6203481
Patent Number:	6200251
Patent Number:	6176818
Patent Number:	6168847
Patent Number:	6168559
Patent Number:	6146321
Patent Number:	6135939
Patent Number:	6132842
Patent Number:	6095454
Patent Number:	6035613
Patent Number:	6033353
Patent Number:	6026632
Patent Number:	6015374
Patent Number:	5902223
Patent Number:	5891009
Patent Number:	5882767
Patent Number:	5876318
Patent Number:	5871429
Patent Number:	5868657
Patent Number:	5864484
Patent Number:	5840004
Patent Number:	5836538
Patent Number:	5829231
Patent Number:	5816995
Patent Number:	5813967
Patent Number:	5803893
Patent Number:	5785639
Patent Number:	5749821
Patent Number:	5681255
Patent Number:	5674172
Patent Number:	5658229
Patent Number:	5637071
Patent Number:	5607383
Patent Number:	5569146

Property Type	Number
Patent Number:	5487717
Application Number:	61801876
Application Number:	61786666
Application Number:	61763626
Application Number:	61757367
Application Number:	61702369
Application Number:	61621349
Application Number:	61570335
Application Number:	61497721
Application Number:	61494033
Application Number:	61442779
Application Number:	61432968
Application Number:	61362995
Application Number:	61362992
Application Number:	61298142
Application Number:	13832044
Application Number:	13740485
Application Number:	13574305
Application Number:	13520369
Application Number:	13494354
Application Number:	13470444
Application Number:	13258726
Application Number:	13141887
Application Number:	13128732
Application Number:	13125318
Application Number:	13003088
Application Number:	12990712
Application Number:	12939567
Application Number:	12935100
Application Number:	12867363
Application Number:	12851978
Application Number:	12796112
Application Number:	12674996
Application Number:	12637402
Application Number:	12555270
Application Number:	11814870

CORRESPONDENCE DATA

Fax Number: (650)838-5109

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

Phone: 650-838-3743

Email: JLIK@SHEARMAN.COM

Correspondent Name: MARC ELZWEIG

Address Line 1: 1460 EL CAMINO REAL, 2ND FLOOR

Address Line 2: SHEARMAN & STERLING LLP

Address Line 4: MENLO PARK, CALIFORNIA 94025

ATTORNEY DOCKET NUMBER:	35610/47
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NAME OF SUBMITTER:	MARC ELZWEIG
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SIGNATURE:	/MARC ELZWEIG/
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DATE SIGNED:	05/17/2019
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Total Attachments: 11

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TERMINATION OF SECURITY INTEREST IN PATENTS

This **TERMINATION OF SECURITY INTEREST IN PATENTS** (this "Termination"), dated as of October 1, 2014, is made by Goldman Sachs Bank USA as collateral agent for the Secured Parties (in such capacity, the "Collateral Agent"), in favor of RANPAK CORP. ("Grantor"). Unless otherwise defined herein or the context otherwise requires, terms used in this Termination shall have the meanings assigned to such terms in the Pledge and Security Agreement (as defined below). For the purposes of this Termination, "Patent Collateral" shall have the meaning assigned to such term in the Patent Security Agreement (as defined below) and shall include, without limitation, those registrations and applications set forth on Schedule A hereto.

WHEREAS, pursuant to that (i) certain U.S. Second Lien Pledge and Security Agreement, dated as of April 23, 2013 (as it may be amended, restated, supplemented or otherwise modified from time to time, the "Pledge and Security Agreement") between the Grantor, the other grantors party thereto and the Collateral Agent and (ii) that certain Patent Security Agreement, dated as of April 23, 2013 (the "Patent Security Agreement") executed by the Grantor in favor of the Collateral Agent, the Grantor granted to the Collateral Agent a security interest in and continuing lien on all of the Grantor's right, title and interest in, to and under the Patent Collateral;

WHEREAS, the security interest in the Patent Collateral granted by the Grantor to the Collateral Agent under the Patent Security Agreement was recorded at the United States Patent and Trademark Office on April 23, 2013, at Reel 030276 and Frame 0413; and

WHEREAS, the Collateral Agent has agreed to terminate, release and discharge its security interest and lien on all of the Patent Collateral.

NOW, THEREFORE, for good and valuable consideration, including the satisfaction of all obligations, indebtedness and liabilities of the Grantor secured by the Patent Collateral pursuant to the Pledge and Security Agreement and the Patent Security Agreement, the receipt and sufficiency of which are hereby acknowledged, the Collateral Agent hereby agrees as follows:

1. The Collateral Agent hereby terminates, releases and discharges all of its mortgages, liens, and security interests in all of the Grantor's right, title and interest in, to and under the Patent Collateral and hereby reassigns any and all such right, title and interest (if any) that the Collateral Agent may have in the Patent Collateral to the Grantor.

2. The Collateral Agent authorizes and requests that the United States Commissioner of Patents and Trademarks and any other applicable officer in any successor office or any similar office in any other country record this Termination.

3. **THIS TERMINATION AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES UNDER THIS TERMINATION SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK, WITHOUT REGARD TO CONFLICT OF LAW PRINCIPLES THEREOF THAT**

WOULD RESULT IN THE APPLICATION OF ANY LAW OTHER THAN THE LAW OF
THE STATE OF NEW YORK.

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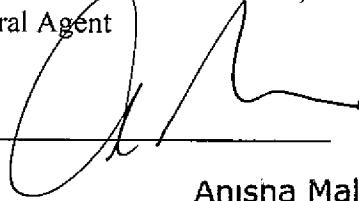
IN WITNESS WHEREOF, the Collateral Agent has caused this Termination of Security Interest in Patents to be duly executed as of the date first set forth above.

GOLDMAN SACHS BANK USA,
as Collateral Agent

By: _____

Name:

Title:



**Anisna Malhotra
Authorized Signatory**

[Signature Page to Termination of Security Interest in Patents – Second Lien]

**PATENT
REEL: 049217 FRAME: 0436**

Schedule A
to
Termination of Security Interest in Patents

U.S. PATENTS AND APPLICATIONS

Owner: Ranpak Corp.
SCHEDULE A
to
PATENT SECURITY AGREEMENT

PATENTS

PATENT TITLE	App. No.	App. Date	Patent No.	Issue Date
REMOTE BOX-COST REDUCED VERSION / (FRONT OF AN OPERATOR PANEL FOR A CUSHIONING CONVERSION MACHINE)	29/148,394	9/18/2001	D477,323	7/15/2003
PACKAGING SYSTEM AND METHOD WITH FREIGHT RATE ANALYSIS	12/295,693	4/ 2/2009	8,341,092	12/25/2012
DUNNAGE SYSTEM WITH VOID VOLUME PROBE	11/691,089	3/26/2007	8,272,195	9/25/2012
MANUAL DUNNAGE CONVERTING SYSTEM AND METHOD	12/857,801	8/17/2010	8,202,209	6/19/2012
FILLPAK (SYNCHRONOUS DRIVE)	13/117,596	5/27/2011	8,177,701	5/15/2012
DUNNAGE CONVERSION MACHINE AND METHOD	13/094,165	4/26/2011	8,177,697	5/15/2012
PACKAGING METHOD WITH VOID-FILL DENSITY DETERMINATION	12/022,423	1/30/2008	8,087,218	1/ 3/2012
WRAPPK CONVERTER AND METHOD / (DUNNAGE CONVERSION MACHINE AND METHOD)	12/236,948	9/24/2008	7,955,245	6/ 7/2011
PAD INSERTION ASSEMBLY / (DUNNAGE PAD PRODUCTION AND PACKAGING SYSTEM)	10/141,443	5/ 7/2002	7,866,125	1/11/2011
FILLPAK (DUNNAGE CONVERSION MACHINE WITH WIDE PADDLES)	12/242,176	9/30/2008	7,850,589	12/14/2010
AUTOFILL II (CAMPAUTOMATED FLOWABLE DUNNAGE DISPENSER) / (AUTOMATED FLOWABLE DUNNAGE DISPENSING SYSTEM AND METHOD)	11/718,408	5/ 2/2007	7,849,664	12/14/2010
FAN FOLD PAPER WITH MODIFIED PERFORATION / (SELECTIVELY TEARABLE STOCK MATERIAL FOR A DUNNAGE CONVERSION MACHINE AND METHOD)	11/909,239	9/20/2007	7,815,989	10/19/2010
AUTOMATED CLOSED BOX DETECTION / (PACKAGING SYSTEM AND METHOD FOR CLOSED CONTAINER DETECTION)	12/063,709	2/13/2008	7,814,734	10/19/2010
ACCUFILL III RED LIGHT / GREEN LIGHT / (PACKAGING SYSTEM WITH VOLUME MEASUREMENT)	12/296,726	10/10/2008	7,814,733	10/19/2010
COILER STAPLER / (SYSTEM AND METHOD FOR MAKING A COILED STRIP OF DUNNAGE)	12/433,473	4/30/2009	7,803,100	9/28/2010
MANUAL DUNNAGE CONVERTING SYSTEM AND METHOD	11/909,332	9/21/2007	7,794,382	9/14/2010
AUTOFILL II / (AUTOMATED DUNNAGE FILLING SYSTEM AND METHOD)	11/718,723	5/ 7/2007	7,788,884	9/ 7/2010

PATENT TITLE	App. No.	App. Date	Patent No.	Issue Date
ANTI-JAMMING GUIDE SHOE / (DUNNAGECONVERSION MACHINE WITH FLOATING GUIDES)	11/630,734	8/13/2007	7,740,573	6/22/2010
PADPAK LC(SEGMENTEDOLLERS)(FORMERLY SINGLE PLY CONVERTER) / (DUNNAGE CONVERSION MACHINE AND METHOD)	11/209,204	8/22/2005	7,722,519	5/25/2010
PAD DROP ORIENTING DEVICE WITH CUSTOM DROPGATE / (PACKAGING SYSTEM WITH DUNNAGE DELIVERY ASSEMBLY)	11/815,610	8/ 6/2007	7,665,275	2/23/2010
SECOND GENERATION FILLPAK(FILL PAK STAND) / (DUNNAGE CONVERTER SYSTEM)	11/557,446	11/ 7/2006	7,614,994	11/10/2009
FILLPAK M(CHUTE ADJUSTABLY MOUNTED ONCOOPERATING U-SHAPE FRAMES) / (MOTOR FREE DUNNAGE CONVERTING SYSTEM)	11/577,949	4/25/2007	7,585,268	9/ 8/2009
AUTOMATED PACKAGING SYSTEM ANDMETHOD(WITH ROUTING MECHANISM FOR DISPENSERS ON SEPARATE PATHS)/ (PACKAGING SYSTEM AND METHOD)	11/573,186	2/ 2/2007	7,584,592	9/ 8/2009
OUTPUT CHUTE GUARD-RECESS COMBINATION / (DUNNAGE CONVERSION MACHINE AND OUTPUT CHUTE GUARD)	11/816,841	8/22/2007	7,572,216	8/11/2009
MATPAK / (PACKING PRODUCT AND APPARATUSAND METHOD FOR MANUFACTURING)	10/303,660	11/25/2002	7,452,316	11/18/2008
TABLETOP FILLPAK II(INTERNAL GUIDES) / (CUTTERLESS DUNNAGE CONVERTER AND METHOD)	11/669,628	1/31/2007	7,407,471	8/ 5/2008
NATUREMBALIMPROVEMENTS(CONVERTER/METHOD WITH INDEPENDENTLY ADJUSTABLE TENSION CONTROL)/ (CUSHIONING CONVERSION MACHINE AND	11/831,172	7/31/2007	7,361,132	4/22/2008
VOID FILL DUNNAGE PRODUCT ANDMETHOD(SPACED FOLDED-OVER PORTIONS) / (DUNNAGE CONVERSION MACHINE, METHOD AND DUNNAGE PRODUCT)	11/323,540	12/30/2005	7,351,466	4/ 1/2008
ACCUFILL(FORMERLY CUBIMETER) / (PACKAGINGSYSTEM WITH VOID FILL MEASUREMENT)	10/700,364	11/ 3/2003	7,337,595	3/ 4/2008
BROAD DUNNAGE DISPENSING METHOD USING ACONTAINER PROBE(FORMERLY CONTAINER PROBE) / (PACKING MATERIAL PRODUCT AND METHOD AND	10/887,181	7/ 7/2004	7,260,922	8/28/2007
NATUREMBAL IMPROVEMENTS (REDUCED CRIMPLOSS) / (CUSHIONING CONVERSION MACHINE AND METHOD)	11/250,695	10/11/2005	7,258,657	8/21/2007
MICROPROCESSOR(METHODS FOR DIRECT ANDINDIRECT MONITORING OF STOCK MATERIAL CONSUMPTION) (FORMERLY PAPER, PAD USAGE) /	09/781,733	2/12/2001	7,195,585	3/27/2007
FILLPAK TT2(CONVERTER WITH REVERSING AUTO-TEAR APPARATUS) / (CUTTERLESS DUNNAGE CONVERTER AND METHOD)	10/887,220	7/ 7/2004	7,186,208	3/ 6/2007
FILLPAK(GATHERING AND LATERALLY CAPTURINGMETHOD AND PRODUCT WITH CRUMPLED IRREGULAR LOBES) / (DUNNAGE CONVERSION	10/706,394	11/12/2003	7,125,375	10/24/2006
HEAVY-DUTY DUNNAGE CONVERTER(CONVERTERWITH QUICK-RELEASE GEAR CARRIER) / (CUSHIONING CONVERSION MACHINE	10/087,613	3/ 1/2002	7,083,560	8/ 1/2006

PATENT TITLE	App. No.	App. Date	Patent No.	Issue Date
VOID FILL CONVERTER / (DUNNAGE CONVERSION MACHINE, METHOD AND DUNNAGE PRODUCT)	10/373,385	2/24/2003	7,044,903	5/16/2006
CONVERTER WITH TRAILING CUTTING BLADE SHUTTER (FORMERLY PPC-5 REVISED PAPER THREADING AND CUTTING) / (CUSHIONING	09/453,480	12/ 9/1999	7,041,043	5/ 9/2006
FILLPAK (L-SHAPE JACKETED STACK OF STOCK MATERIAL AND STACKING METHOD) / (L-SHAPE JACKETED STOCK OF STOCK MATERIAL)	10/420,519	4/22/2003	6,918,489	7/19/2005
POST-IT SPLICING METHOD (REMOVING RELEASE LINER FROM PRESSURE-SENSITIVE ADHESIVE) / (METHOD OF LOADING A CUSHIONING CONVERSION MACHINE AND	10/879,442	6/29/2004	6,887,329	5/ 3/2005
PROJECT 2000 (PACKAGING SYSTEM WITH AUDIBLE OR VISUAL OUTPUT COORDINATED WITH INSTRUCTIONS FOR PACKAGING SUPPLY) / (CUSHIONING	09/096,123	6/11/1998	6,877,297	4/12/2005
NATUREMBAL IMPROVEMENTS (CONVERTER AND METHOD PROVIDING VARIABLE SPEED RATIO) / (CUSHIONING CONVERSION MACHINE AND METHOD)	09/387,399	9/ 2/1999	6,783,489	8/31/2004
BROADENED CONVERTER WITH TRANSVERSE MEMBER THAT ALLOWS LATERAL EDGES TO TURN INWARDLY (FORMERLY ROUNDED END SEPARATOR) /	10/454,414	6/ 4/2003	6,758,801	7/ 6/2004
STOCK MATERIAL WITH PRESSURE-SENSITIVE ADHESIVE AND RELEASE LINER ON END (FORMERLY POST-IT SPLICING STOCK MATERIAL) /	09/992,536	11/19/2001	6,756,096	6/29/2004
CONVERSION SYSTEM AND METHOD WITH TILTABLE PAD SUPPORT (FORMERLY CUSTOM DROP GATE) / (CUSHIONING CONVERSION SYSTEM WITH DUNNAGE	10/032,509	10/19/2001	6,718,729	4/13/2004
CONVERTER HAVING TEAR FREE SPIDER FORMER WITH LATERAL RECESSES AND ANGLES SIDE EDGES / (CUSHIONING CONVERSION MACHINE AND METHOD)	10/080,058	2/19/2002	6,699,167	3/ 2/2004
FILLPAK (CONVERTER WITH GATHERING PADDLES) / (DUNNAGE CONVERSION MACHINE WITH TRANSLATING GRIPPERS, AND METHOD AND	09/878,130	6/ 8/2001	6,676,589	1/13/2004
CONVERTER/METHOD WITH COILER WHERE PACKER CAN REMOVE COIL IN COILED CONFIGURATION (FORMERLY COILER COMBINATION) /	09/551,094	4/18/2000	6,626,813	9/30/2003
CONVERTER HAVING FORMER WITH EXPANDING MANDREL PORTIONS (FORMERLY PAD EXPANDER) / (CUSHIONING CONVERSION MACHINE	09/712,556	11/14/2000	6,626,812	9/30/2003
CONVERTER WITH BIASED CONSTANT-ENTRY MEMBER / (CUSHIONING CONVERSION MACHINE AND METHOD)	09/702,981	10/31/2000	6,610,001	8/26/2003
CONVERTER/METHOD WITH PAD WIDTH ADJUSTER / (CUSHIONING CONVERSION MACHINE AND METHOD)	09/189,551	11/11/1998	6,540,652	4/ 1/2003
SYSTEM/CONTROLLER/METHOD EMPLOYING COMMUNICATION LINK TO RETRIEVE MACHINE INFORMATION (FORMERLY MACHINE	09/160,127	9/24/1998	6,524,230	2/25/2003
SYSTEM CONTROLLING CONVERTER TO FILL A PLURALITY OF CONVEYOR (FORMERLY STOP GATE ASSEMBLY) / (CUSHIONING CONVERSION SYSTEM)	09/138,784	8/24/1998	6,475,130	11/ 5/2002
CONVERTER AND METHOD WITH TRACK-GUIDED CUTTING BLADE / (CUSHIONING CONVERSION MACHINE WITH SERVING MECHANISM)	08/676,681	7/10/1996	6,468,197	10/22/2002

PATENT TITLE	App. No.	App. Date	Patent No.	Issue Date
SHEET CRUMPLER(WRAP PRODUCT WITHCOMPRESSED PORTIONS AND HERRINGBONE PATTERN FOLDS IN CRUMPLED PORTIONS) /(CUSHIONING CONVERSION	09/491,193	1/25/2000	6,436,511	8/20/2002
MICROPROCESSOR(REAL TIME DIAGNOSTICS ANDREMOTE DIAGNOSTICS) / (CUSHIONING CONVERSION MACHINE)	09/772,681	1/30/2001	6,432,032	8/13/2002
PCT POST-CUTTING CHUTEALTERNATIVES(ACTUATED DEFLECTOR SHIELD WITH POSITION DETECTOR, HINGED CHUTE COVER, OVERLAPPING HINGED	09/217,696	12/21/1998	6,416,451	7/ 9/2002
CONVERTER WITH COINING GEAR MODIFIEDCUTTING RING HAVING RADIALY RELIEVED CUTTING EDGES / (CUSHIONING CONVERSION MACHINE AND METHOD	09/409,829	10/ 1/1999	6,387,029	5/14/2002
CONVERTER WITH PAD-ALIGNER CONNECTED TOCUTTING BLADE / (CUTTING ASSEMBLY FOR A CUSHIONING CONVERSION MACHINE)	08/110,349	8/20/1993	6,311,596	11/ 6/2001
SHELL STUFFING PAD / (CUSHIONING CONVERSIONMACHINE FOR CONVERTING SHEET-LIKE STOCK MATERIAL INTO A CUSHIONING PRODUCT)	08/482,639	6/ 7/1995	6,254,945	7/ 3/2001
AUTOPAD(CONVERTER/METHOD WITH RECEPTACLEHAVING BOTTOM SIDE OPENING) / (CUSHIONING CONVERSION SYSTEM)	09/236,973	1/26/1999	6,240,705	6/ 5/2001
BROADENED CONVERTER/METHOD FOR REMOTEEDS / (PACKAGING SYSTEM AND METHOD INCLUDING CUSHIONING CONVERSION MACHINE WITH SLOPED	09/507,846	2/22/2000	6,217,498	4/17/2001
TABBED PAD AND METHOD(FORMERLY NARROWSTAPLING GEAR) / (CUSHIONING CONVERSION MACHINE AND METHOD WITH STITCHING	09/070,231	4/30/1998	6,207,249	3/27/2001
MICROPROCESSOR(CONVERTER NETWORK ANDCONTROL METHODS) / (CUSHIONING CONVERSION MACHINE NETWORK)	08/475,627	6/ 7/1995	6,203,481	3/20/2001
CONVERTER/METHOD HAVING TRANSVERSEMEMBER WITH INWARDLY TAPERED END(FORMERLY IMPROVED SEPARATOR) / (CUSHIONING CONVERSION MACHINE	09/229,459	1/12/1999	6,200,251	3/13/2001
CONVERTER WITH SINGLE MOTOR AND CLUTCH FORALTERNATING FEED/CUT(FORMERLY PADPAK'97) / (CUSHIONING CONVERSION MACHINE CUSHIONING	09/209,678	12/11/1998	6,176,818	1/23/2001
TRI-FOLD PAPER STOCK MATERIAL FORFORMERLESS MACHINE / (COMPACT CUSHIONING CONVERSION MACHINE AND METHOD USING PRE- FOLDED PAPER)	09/026,196	2/19/1998	6,168,847	1/ 2/2001
CONVERTER AND METHOD WITH OUTFEED DRIVECONVEYOR DOWNSTREAM OF CUTTING ASSEMBLY / (CUSHIONING CONVERSION MACHINE	08/154,911	11/19/1993	6,168,559	1/ 2/2001
PAD-N-PAK(CONVERTER WITH UNDER-TABLE GUIDEMOUNT ON TOP OF CONVERTER) / (DISPENSING TABLE AND GUIDE SYSTEM FOR A CUSHIONING	08/892,858	7/15/1997	6,146,321	11/14/2000
PADPAK JR.(CHUTE AND FORMER UNIT, ANDADJUSTABLE FORMING METHOD) (FORMERLY BOBBY PIN FORMER) / (CUSHIONING CONVERSION	09/150,819	9/11/1998	6,135,939	10/24/2000
BROADENED SHELL/STUFFING CUSHIONING PADWITH SHELL LAYERS CONNECTED TOGETHER SEPARATE FROM STUFFING LAYERS(FORMERLY JIM/ED NEW PAD)	09/039,861	3/16/1998	6,132,842	10/17/2000
CONVERTER AND STOCK ROLL STORAGE RACKTHAT SUPPORTS A ROLL AT LOADING LEVEL(PAPER ROLL STAND) / (CUSHIONING CONVERSION SYSTEM AND	09/225,764	1/ 5/1999	6,095,454	8/ 1/2000

PATENT TITLE	App. No.	App. Date	Patent No.	Issue Date
CONVERTER/ASSEMBLY/METHOD WITH TABLEFORMING SECTIONAL COINING GEARS / (CUSHIONING CONVERSION MACHINE AND	08/607,607	2/27/1996	6,035,613	3/14/2000
PAPER TOWEL PAD MACHINE/METHOD WITHWEAKENING DEVICE/STEP / (PERFORATED CUSHIONING DUNNAGE PRODUCT, MACHINE AND	08/806,907	2/26/1997	6,033,353	3/ 7/2000
SYSTEM/METHOD USING REMOTE EDS WITH SLOPEDCHUTE / (PACKAGING SYSTEM AND METHOD INCLUDING CUSHIONING CONVERSION MACHINE WITH	09/002,702	1/ 5/1998	6,026,632	2/22/2000
FORMERLESS MACHINE AND METHOD USING AFOLDED STOCK MATERIAL AND EXPANDING DEVICE) / (COMPACT CUSHIONING CONVERSIONMACHINE USING	08/584,092	1/11/1996	6,015,374	1/18/2000
CONVERTER/METHOD WITH ADJUSTABLE OUTLETXTENSION(FORMERLY PIVOTING CURVED CHUTE) / (CUSHIONING CONVERSION MACHINE)	08/725,031	10/ 2/1996	5,902,223	5/11/1999
PADPAK JR.(CONVERTER WITH FLARED INLETFORMING CHUTE) (FORMERLY TRUMPETED CHUTE) / (CUSHIONING CONVERSION MACHINE HAVING A	08/487,182	6/ 7/1995	5,891,009	4/ 6/1999
FAN FOLDED PAPER WITHOUT PERFS IN FOLDS /(FAN-FOLDED STOCK MATERIAL FOR USE WITH A CUSHIONING CONVERSION MACHINE)	08/365,829	12/29/1994	5,882,767	3/16/1999
SMART MACHINE(CONVERTER WITH LENGTHENCODER FOR REAL TIME LENGTH MONITORING) / (CUSHIONING CONVERSION MACHINE INCLUDING A LENGTH	08/795,298	2/ 4/1997	5,876,318	3/ 2/1999
STRIP-BASED CONVERTER WITH PROBE FORCONTAINER CHARACTERISTICS / (CUSHIONING CONVERSION MACHINE)	08/475,626	6/ 7/1995	5,871,429	2/16/1999
SYSTEM CONTROLLING CONVERTER BASED ONCONVEYOR FULLNESS(FORMERLY JIM'S STOP GATE ASSEMBLY-ACCUMULATOR) / (CUSHIONING	08/951,277	10/16/1997	5,868,657	2/ 9/1999
MICROPRECESSOR(REMOTE DIAGNOSTICS ANDREAL TIME DIAGNOSTICS SYSTEMS/METHODS) / (CUSHIONING CONVERSION MACHINE)	08/597,127	2/ 6/1996	5,864,484	1/26/1999
PADPAK JR.(CONVERTER/METHOD WITH EXTERNALMANUAL CUT HANDLE) / (CUSHIONING CONVERSION MACHINE AND METHOD)	08/484,000	6/ 7/1995	5,840,004	11/24/1998
CONVERTER/METHOD WITH STOCK ROLL LIFTER /(CUSHIONING CONVERSION SYSTEM WITH STOCK ROLL LIFTER)	08/771,044	12/20/1996	5,836,538	11/17/1998
AUTOMATED VOID FILL SYSTEM WITH BOX CODEREADER AND PAD TRANSFER APPARATUS / (AUTOMATED CUSHIONING PRODUCING AND FILLING	08/749,115	11/14/1996	5,829,231	11/ 3/1998
PAD-N-PAK(DUAL POSITION CONVERTER BELOW ATABLE) / (DISPENSING TABLE FOR A CUSHIONING CONVERSION MACHINE)	08/594,293	1/30/1996	5,816,995	10/ 6/1998
CONVERSION MACHINE WITH EDGE DEFLECTINGGUIDE MEMBER BETWEEN SEPARATORS AND CONVERSION ASSEMBLY / (CUSHIONING	08/810,126	2/25/1997	5,813,967	9/29/1998
PADPAK JR.(CONVERTER SEPARABLE FROM STANDAND METHOD) / (CUSHIONING CONVERSION MACHINE AND METHOD)	08/487,181	6/ 7/1995	5,803,893	9/ 8/1998
SHELL/STUFFING MACHINE/METHOD / (CUSHIONINGCONVERSION MACHINE FOR CONVERTING SHEE- LIKE STOCK MATERIAL INTO A	08/482,648	6/ 7/1995	5,785,639	7/28/1998

PATENT TITLE	App. No.	App. Date	Patent No.	Issue Date
CUSHIONING SYSTEM WITH CONVERTER AND PICK AND PLACE ASSEMBLY FOR RETRIEVING PADS(FORMERLY AT&T AJL PACKAGING LINE) / (CUSHIONING	08/505,108	7/21/1995	5,749,821	5/12/1998
PAD-N-PAK(CONVERTER CONNECTED TO TABLE WITH DUAL POSITION MOUNT FOR GUIDE TRACK) / (DISPENSING TABLE AND GUIDE SYSTEM FOR A	08/438,238	5/ 9/1995	5,681,255	10/28/1997
PADPAK JR.(CONVERTER/METHOD WITH SINGLE FEED/CUT HANDLE) / (CUSHIONING CONVERSION MACHINE AND METHOD)	08/486,811	6/ 7/1995	5,674,172	10/ 7/1997
CUSHIONING CONVERTER WITH AUTOPAD CUTTING ASSEMBLY DRIVEN VIA MOTION TRANSMITTING ASSEMBLY / (DOWNSIZED CUSHIONING	08/461,876	6/ 5/1995	5,658,229	8/19/1997
AUTOPAD(VERTICAL CONVERTER EXTENDING THROUGH TABLE WITH OUTLET ABOVE TABLETOP) (FORMERLY AUTOPAD DISPENSING TABLE)	08/109,124	8/19/1993	5,637,071	6/10/1997
PADPAK JR.(MODULAR CONVERTER AND METHOD) / (CUSHIONING CONVERSION MACHINE AND METHOD)	08/337,929	11/10/1994	5,607,383	3/ 4/1997
BROADENED CONVERTER/METHOD WITH PAD ALIGNER / (CUSHIONING CONVERSION MACHINE INCLUDING A CUTTING/ALIGNING ASSEMBLY)	08/188,305	1/28/1994	5,569,146	10/29/1996
PAD-N-PAK(CONVERTER SLIDABLY MOUNTED BELOW A TABLE) / (DISPENSING TABLE FOR A CUSHIONING CONVERSION MACHINE)	08/155,931	11/23/1993	5,487,717	1/30/1996

PATENT APPLICATIONS

PATENT APPLICATION TITLE	App. No.	App. Date
(TUBULAR DUNNAGE CONVERSION MACHINE, PRODUCT AND METHOD);Alias: DaVinci Project	61/801,876	3/15/2013
Alias: Thermal Insulation Pads (THERMAL INSULATION DUNNAGE ANDMETHOD)	61/786,666	3/15/2013
Alias: BV Taping Coiler (DUNNAGE SYSTEM WITH COILER, AUTOMATEDTAPING AND EJECTING APPARATUS AND METHOD)	61/763,626	2/12/2013
DUNNAGE CONVERSION SYSTEM AND METHOD WITH SEQUENTIALSSTOCK ROLL STORAGE AND LOADING	61/757,367	1/28/2013
PACKAGING SYSTEM WITH ADJUSTABLE CONTAINER CLOSER	61/702,369	9/18/2012
LOW VOLUME DUNNAGE CONVERSION SYSTEM	61/621,349	4/ 6/2012
REDUCED FOOTPRINT DUNNAGE CONVERSION SYSTEM AND METHODAlias: WackyPack Improvements	61/570,335	12/14/2011
DUNNAGE CONVERSION MACHINE AND METHOD WITH DOWNSTREAMFEED MONITOR	61/497,721	6/16/2011
WACKYPACK	61/494,033	6/ 7/2011
CARRIER FOR A BUNDLE OF FAN-FOLDED SHEET MATERIAL TO BECONVERTED INTO DUNNAGE Alias: Angle Carrier for Paper Bundles Requiring a Splice	61/442,779	2/14/2011
TT with PullPak (COMPACT DUNNAGE DISPENSING SYSTEM AND METHOD)	61/432,968	1/14/2011
FOLDED PAPER SUPPLY AND SIDE-STACK PAPER FEED / (REDUCEDFOOTPRINT DUNNAGE CONVERSION SYSTEM AND METHOD)	61/362,995	7/ 9/2010
PULLPAK POP TOP / (COMPACT DUNNAGE STORAGE AND CONVERSIONSYSTEM)	61/362,992	7/ 9/2010
PULLPAK IMPROVEMENTS(TRANSFORMER BOX) / (COMPACT DUNNAGESTORAGE AND CONVERSION SYSTEM)	61/298,142	1/25/2010
FILLPAK TT (COMPACT DUNNAGE CONVERTER)	13/832,044	3/15/2013
FILLPAK TT2 (PASSIVE RESTRAINT) / (CUTTERLESS DUNNAGECONVERTER AND METHOD)	13/740,485	1/14/2013
NEXT GENERATION FILLPAK(CONTERBALANCED FILLPAK CONVERTER) / (VOID-FILL DUNNAGE CONVERSION MACHINE, STOCK MATERIAL SUPPORT, AND METHOD)	13/574,305	7/20/2012
PULLPAK TRANSFORMER BOX, BENT PAPER SUPPLY AND SIDE-PULLDISPENSING / (COMPACT DUNNAGE STORAGE AND CONVERSION SYSTEM)	13/520,369	7/ 3/2012
PULLPAK IMPROVEMENTS (FLOATING FUNNEL) (MANUAL DUNNAGECONVERTING SYSTEM AND METHOD)	13/494,354	6/12/2012
SHORT PAD MOVABLE OUTPUT CHUTE / (DUNNAGE CONVERSIONMACHINE AND METHOD)	13/470,444	5/14/2012
FILLPAK TT TILTING AND TELESCOPING SUPPORT ARM / (DROP ANDSLIDE MECHANISM FOR USE WITH DUNNAGE CONVERSION MACHINE AND METHOD)	13/258,726	9/22/2011
A MULTI-FUNCTIONING INSERT	13/141,887	6/23/2011
PADPAK COMPACT CONVERTER / (COMPACT DUNNAGE CONVERSIONMACHINE)	13/128,732	5/11/2011
SMART FILLPAK / (MANUALLY-ASSISTED VOID-FILL DUNNAGEDISPENSING SYSTEM AND METHOD)	13/125,318	4/21/2011
CONVERTER AND METHOD USING FLASH DRIED PAPER / (DUNNAGECONVERSION WITH YIELD-ENHANCED PAPER)	13/003,088	1/ 7/2011
SEMI-AUTOMATIC TAPER JAM AVOIDANCE SYSTEM / (SYSTEM ANDMETHOD FOR SEALING PACKING CONTAINERS)	12/990,712	11/ 2/2010

PATENT APPLICATION TITLE	App. No.	App. Date
FILLPAK (NOTCHES, WIDTHWISE-EXTENDING PADDLES)	12/939,567	11/ 4/2010
AUTOFILL MODIFICATIONS(DUAL-INFEED AUTOFILL) / (TOP-FILLINGDUNNAGE CONVERSION MACHINE AND METHOD)	12/939,567	10/ 8/2010
SMART BATCH VOID MEASUREMENT / (PACKAGING SYSTEM ANDMETHOD WITH CONTROLLED DUNNAGE DISPENSING)	12/935,100	9/28/2010
MANUALLY ASSISTED FILLPAK WITH VOICE CONTROL / (MANUALLY-ASSISTED VOID-FILL DUNNAGE DISPENSING SYSTEM AND METHOD)	12/867,363	8/12/2010
AUTOFILL II / (AUTOMATED DUNNAGE FILLING SYSTEM AND METHOD)	12/851,978	8/ 6/2010
FILLPAK TT2 (INLET CONSTRUCTION AND NARROW WIDTH OUTLETCUTE)	12/796,112	6/ 8/2010
FURTHER SPLICING(ELECTROSTATIC, ELECTROMAGNETIC,ACTIVATABLE ADHESIVE, AND MECHANICAL SPLICING TECHNIQUES) / (DUNNAGE	12/674,996	7/13/2011
PROJECT 2000(BARCODE-BASED AUTOMATED PACKAGING) / (CUSHIONING CONVERSION SYSTEM AND METHOD)	12/637,402	12/14/2009
PULLPAK / (MOTOR FREE DUNNAGE CONVERTING SYSTEM)	12/555,270	9/ 8/2009
COHESIVE WRAPPING PRODUCT / (APPARATUS AND METHOD FORMAKING A WRAPPABLE PACKAGING PRODUCT)	11/814,870	7/26/2007