

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST AT REEL 014709 FRAME 0832
CONVEYING PARTY DATA	
Name	Execution Date
GENERAL ELECTRIC CAPITAL CORPORATION	12/14/2005
RECEIVING PARTY DATA	
Name:	RANPAK CORPORATION
Street Address:	7990 Auburn Road
City:	Concord Township
State/Country:	OHIO
Postal Code:	44077-8004
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	5487717
CORRESPONDENCE DATA	
Fax Number:	(714)722-8290
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	714-540-1235
Email:	ipdocket@lw.com, kristin.azcona@lw.com
Correspondent Name:	LATHAM & WATKINS LLP
Address Line 1:	650 Town Center Drive, 20th
Address Line 4:	Costa Mesa, CALIFORNIA 92626
ATTORNEY DOCKET NUMBER:	026409-0096
NAME OF SUBMITTER:	Kristin Azcona
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RELEASE OF SECURITY INTEREST IN PATENTS

THIS RELEASE OF SECURITY INTEREST IN PATENTS is dated as of December 14, 2005 by GENERAL ELECTRIC CAPITAL CORPORATION, as Agent ("GECC").

WHEREAS, GECC and Ranpak Corp, an Ohio corporation, ("Borrower") entered into that certain Patent Security Agreement ("Agreement") dated as of May 26, 2004;

WHEREAS, the Agreement granted GECC a security interest in, among other things, inventions, discoveries and ideas, whether patentable or not, and all patents, registrations, and applications therefore, and any licenses with respect thereto (collectively, the "Patents") including, without limitation, the Patents listed on Schedule A attached hereto as security for certain obligations of Borrower to GECC (the "Obligations"); and

WHEREAS, GECC recorded the Agreement on June 7, 2004 at Reel 014709, Frame 0832 in the United States Patent and Trademark Office; and

WHEREAS, concurrent with Borrower's satisfaction of the Obligations, Borrower has requested that GECC release its security interests in the Patents.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, GECC hereby agrees as follows:

1. GECC hereby fully releases and terminates its security interests in and liens on the following (collectively, the "Patent Collateral"), whether granted pursuant to the Agreement, or any other document or agreement, and whether or not recorded with the United States Patent and Trademark Office:

(a) all of Borrower's now existing or hereafter acquired right, title and interest in and to: all Patents listed on Schedule I attached hereto, all Patents which are now filed with the U.S. Patent and Trademark Office, any similar office or agency of any state, territory or possession of the United States or Canada or any similar office or agency of any other country or used in the United States, any state, territory or possession thereof including, without limitation, Puerto Rico, or any other country, and all other Patents, and (i) any divisions, continuations, continuations-in-part and renewal applications, and any extensions, reissues and renewals thereof, (ii) all income, royalties, damages and payments now and hereafter due or payable with respect thereto, including, without limitation, payments under all licenses entered into in connection therewith and damages and payments for past or future infringements thereof, (iii) the right to sue for past, present and future infringements thereof, (iv) all documents, packages, prints and labels on which said Patents have appeared and all designs and general intangibles of a like nature, and (v) all rights corresponding thereto throughout the world;

(b) the goodwill of Borrower's business connected with or symbolized by Patents; and

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(c) any and all of the proceeds of any of the foregoing, including, without limitation, any claims by Borrower against third parties for infringement of the Patents or of any license with respect thereto.

2. GECC, on its own behalf and on behalf of the Lenders, hereby reassigns to Borrower, without recourse, representation or warranty, any right, title and interest of GECC and the Lenders, if any, in and to the Patent Collateral.

3. GECC further agrees, at the sole cost and expense of Borrower, to perform all acts reasonably necessary to effect the release and termination of its security interest and liens, including, but not limited to the recording, filing and entering into any agreements, documents, forms or papers needed to accomplish such release and termination.

[Signature Page Follows]

IN WITNESS WHEREOF, GECC has caused this Release of Security Interest in Patents
to be duly executed as of the day and year first above written.

**GENERAL ELECTRIC CAPITAL
CORPORATION**, as Agent

By: Matthew D. Liepert
Name: Matthew D. Liepert
Title: Duly Authorized Signatory

[Signature Page to Release of Patents]

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SCHEDULE A

*** Issued Utility Patents in US/ United States

Ranpak Ref.	Renner Ref.	Patent No.	Exp. Date	Alias	Note
31.01.004	RANPP0126 USA	5,868,657	06/04/2015	JIM'S STOP GATE ASSEMBLY	In force
31.01.004	RANPP0126 USB	6,475,130	06/29/2017	JIM'S STOP GATE	In force
31.01.006	RANPP0080 US	4,968,291	11/06/2007	PERFORATED GEAR ASSEMBLY	In force
31.01.007	RANPP0084 US	5,322,477	06/21/2011	AUTOPAD	In force
31.01.008	RANPP0115 US & USA	5,568,867	10/29/2013	MIKE'S PAPER PEANUTS	In force
31.01.009	RANPP0114 US	5,387,173	12/22/2012	FAN FOLD	In force
31.01.009	RANPP0114 USA	5,882,767	06/16/2016	FAN FOLD	In force
31.01.019 US	RANPP0097 US	6,168,559	01/02/2018	OUTFEED DRIVE CONVEYOR	In force
31.01.020	RANPP0110 US	5,487,717	05/21/2013	PAD-N-PAK WORKSTATION	In force
31.01.020	RANPP0110 USA	5,816,995	05/21/2013	PAD-N-PAK	In force
31.01.026	RANPP0103 US	5,749,539	05/12/2015	PLUGLESS PAPER ROLL	In force
31.01.034	RANPP0109 US	5,637,071	06/10/2014	PAD-N-PAK (ORIGINAL)	In force
31.01.036	RANPP0116 US	5,791,483	08/11/2015	SINGLE TABBED NEW PAD	In force
31.01.037	RANPP0107 US	6,311,596	11/06/2018	PAD ALIGNER	In force
31.01.043	RANPP0092 US	4,806,410	09/18/2006	ANTI STATIC PRODUCT AND METHOD	In force
31.01.046	RANPP0090 US	4,619,635	11/04/2005	PADPAK AUTOFEED	In force
31.01.047	RANPP0089 US	4,650,456	10/30/2005	JUMBO CART III	In force
31.01.052	RANPP0079 US	4,937,131	03/15/2009	PERFORATED PAD	In force
31.01.053	RANPP0085 US	4,717,613	01/05/2005	RANPAK MACHINE II	In force
31.01.055	RANPP0078 US	4,884,999	01/04/2008	NARROW WIDTH CONVERSION KIT	In force
31.01.056	RANPP0078 USA	5,061,543	10/29/2008	NARROW WIDTH PRODUCT	In force

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Ranpak Ref.	Renner Ref.	Patent No.	Exp. Date	Alias	Note
31.01.057	RANPP0078 USB	5,188,561	02/23/2010	NARROW WIDTH METHOD	In force
31.01.067 Con2	RANPP0086 US	6,077,209	10/05/2010	AUTOPAD PACKAGING SYSTEM	In force
31.01.068 Con1	RANPP0084 USB	5,468,208	11/21/2012	AUTOPAD POST CUTTING BROADENED CONTINUATION CASE	In force
31.01.089	RANPP0088 US	4,750,896	10/28/2005	PADPAK MACHINE-3 rd GENERATION	In force
31.0.1090	RANPP0145 US	5,730,696	06/07/2015	LAZY SUSAN	In force
31.01.093	RANPP0108 US	5,569,146	01/28/2014	PAD ALIGNER	In force
31.01.099	RANPP0118 US	5,593,376	07/22/2014	PADPAK JR I	In force
31.01.112	RANPP0137 US	6,190,299	02/20/2018	15" KID REDESIGN	In force
31.01.138	RANPP0125 US	5,607,383	07/22/2014	PADPAK JR III	In force
31.01.153	RANPP0150 US	5,735,784	06/07/2015	RICH'S WHEEL LOADER	In force
31.01.157 Con1	RANPP0128 USA	6,135,939	07/22/2014	BOBBY PIN PAPER FORMER (Con1)	In force
31.01.161	RANPP0142 US	D370,920	06/18/2010	PADPAK JR (Design)	In force
31.01.162 CIP1	RANPP0227 US	6,080,097	06/07/2015	SINGLE FEED/CUT MOTOR	In force
31.01.166	RANPP0143 US	5,681,255	10/28/2014	UNIVERSAL PAD-N-PAK	In force
31.01.166 Con1	RANPP0143 US	6,146,321	05/21/2013	UNIVERSAL PAD-N-PAK (Con1)	In force
31.01.175	RANPP00175 US & USA	6,026,632	07/03/2016	AUTOMATIC AUTOPAD WITH STOPPED CHUTE (Ciba Vision)	In force
31.01.175 Con1	RANPP0175 USB	6,217,498	06-07/2015	AUTOMATIC AUTOPAD WITH STOPPED CHUTE/CON1 (Ciba Vision)	In force
31.01.181	RANPP0169 US	5,897,478	04/27/2016	MICRO PROCESSOR/PAPER POLICING	In force
31.01.186	RANPP153 US	5,674,172	10/07/2014	PADPAK JR SINGLE FEED/CUT HANDLE	In force
31.01.187	RANPP0170 US	6,203,481	03/20/2018	MICRO PROCESSOR/MACHINE NETWORK	In force
31.01.189	RANPP0172 US	6,179,762	01/30/2018	CUTTER USE MONITORING (FORMERLY MICRO PROCESSOR/SERVICE DIAGNOSTICS)	In force
31.01.187 Div1	RANPP0172 USA	6,432,032	01/30/2018	MICROPROCESSOR SERVICE DIAGNOSTICS	In force
31.01.190	RANPP0173 US	5,871,429	11/19/2013	MICRO PROCESSOR/LENGTH ENCODER	In force

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Ranpak Ref.	Renner Ref.	Patent No.	Exp. Date	Alias	Note
31.01.191	RANPP0167 US	5,807,229	09/15/2015	GARY'S STITCHING GEARS	In force
31.01.196	RANPP0088 USC	5,658,229	08/19/2014	AUTOPAD CUTTING ASSEMBLY-BROADENED CON II	In force
31.01.205	RANPP0164 US	6,035,613	06/07/2015	SECTIONAL COINING GEARS	In force
31.01.209	RANPP0185 US	6,019,715	06/26/2016	NATUREMBAL IMPROVEMENTS	In force
31.01.212	RANPP0099 USA & USB	5,876,318	11/19/2013	LENGTH ENCODER	In force
31.01.221	RANPP0166 US	5,755,656	06/07/2015	ED'S STAPLING GEAR	In force
31.01.222	RANPP0168 & 292 US	6,155,963	07/28/2018	JIM'S POWER UNWIND	In force
31.01.228 Div1	RANPP0186 USA	6,436,511	07/03/2017	SHEET CRUMPLER	In force
31.01.238	RANPP0153 USA	5,908,375	06/01/2018	MANUAL FEED (PadPak JR) (EX MODULAR CONSTRUCTION)	In force
31.01.239	RANPP0153 USB	5,840,004	11/24/2015	MANUAL CUTTING ASSEMBLY (PadPak JR)	In force
31.01.239 Div1	RANPP0153 USG	5,997,461	07/22/2014	MANUAL CUTTING ASSEMBLY/DIV 1 (PADPAK JR)	In force
31.01.240	RANPP0153 USC	5,803,893	09/08/2015	JR STANDS (PADPAK JR)	In force
31.01.240 Div1	RANPP0153 US	6,561,964	07/07/2016	JR STANDS (REMOVABLE FEED)	In force
31.01.241	RANPP0153 USD	5,891,009	12/12/2016	TRUMPETED FORMING CHUTE (PADPAK JR)	In force
31.01.242	RANPP0153 USE	5,709,642	01/20/2016	ADJUSTABLE BIASED COINING GEAR (RENAMED MANUAL FEED)	In force
31.01.242 NATL	RANPP0252 US	6,416,451	06/28/2016	PCT POST CULLING ALTERNATIVES	In force
31.01.247	RANPP0182 US	6,033,353	02/26/2017	PAPER TOWEL PAD	In force
31.01.247 Div1	RANPP0182 USA	6,277,459	02/26/2017	PAPER TOWEL PAD	In force
31.01.248	RANPP0181 US	6,468,197	08/18/2018	ALTERNATIVE JUNIOR CULLERS	In force
31.01.261	RANPP0195 USA	5,902,223	10/02/2016	PIVOTING CURVED OUTPUT CHUTE	In force
31.01.265	RANPP0119 USE	5,785,639	06/07/2015	SHELL STUFFING MACHINE/METHOD	In force
31.01.266	RANPP0119 US	6,254,945	06/07/2012	SHELL STUFFING PAD	In force
31.01.270	RANPP0119 US	5,924,971	04/01/2014	RADLALLY RETRACTING ROTATING MEMBERS	In force
31.01.273	RANPP0119 USC	5,947,886	09/07/2016	EMBOSSSED METHOD/MACHINE	In force

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Ranpak Ref.	Renner Ref.	Patent No.	Exp. Date	Alias	Note
31.01.287	RANPP0210 US	6,015,374	01/11/2016	FORMERLESS MACHINE	In force
31.01.287 Div1	RANPP0210 USA	5,168,847	01/11/2016	FORMERLESS MACHINE (Div)	In force
31.01.288	RANPP0211 US	5,836,538	10/11/2016	AUTOPAD ROLL LIFTER (2)	In force
31.01.298	RANPP0218 US	5,823,936	02/08/2016	RICH'S IMPROVED WHEEL LOADER	In force
31.01.299	RANPP0220 US	D380,212	06/24/2011	OPERATOR PANEL (DESIGN)	In force
31.01.302	RANPP0169 USA	5,864,484	06/07/2015	MICRO PROCESSOR (REAL TIME)	In force
31.01.302 CIP2	RANPP0300 US	6,524,230	12/11/2015	MICROPROCESSOR PADPAK (MACHINE TRACKING)	In force
31.01.309	RANPP0285 US & USA	6,176,818	06/07/2015	PADPAK 97	In force
31.01.322	RANPP0222 &225 US	6,217,501	06/28/2016	CURVED CHUTE OUTPUT DRIVE	In force
31.01.346 NATL	RANPP0266 US	6,240,705	07/26/2016	DISPENSER APPLICATIONS	In force
31.01.352	RANPP0239 US	5,829,231	11/14/2016	96 PMMI SHOW MACHINE/AUTOMATED VOID FIT	In force
31.01.361	RANPP0241 US	5,778,631	02/07/2017	REDUNDANT AUTOPAD WITH DISPENSER	In force
31.01.368	RANPP0242 US	5,813,967	02/25/2017	WEB TENSION ROLLER (PADPAK JR)	In force
31.01.371	RANPP0280 US	6,540,652	07/18/2018	PAD WIDTH ADJUSTER	In force
31.01.378	RANPP0258 US& USA	6,207,249	06/07/2015	NARROW STAPLING GEAR	In force
31.01.398	RANPP0277 US & USA	6,402,674	12/22/2018	DANCER ROLL CART	In force
31.01.399	RANPP0286 USA	6,095,454	01/05/2018	PAPER ROLL STAND	In force
31.01.401	RANPP0306 US	6,200,251	01/12/2019	IMPROVED SEPARATOR BARS	In force
31.01.401 Con1	RANPP0306 USA	6,610,001	01/12/2019	BIASED CONSTANT-ENTRY ROLLER	In force
31.01.412	RANPP0299 US	6,421,985	09/18/2017	IMPROVED PAD DELIVERY AND INSERTION SYSTEM	In force
31.01.413	RANPP0283 US	6,132,842	04/01/2014	JIM'S/ED'S NEW PAD	In force
31.01.415	RANPP0284 US & USA	6,168,660	04/16/2019	PAD OUTFEED MECHANISM	In force
31.01.418 NATL	RANPP0303 US	6,626,812	06/12/2019	PAD EXPANDER MANDRESL	In force
31.01.422	RANPP0293 US	6,210,310	01/12/2019	LEXAN FORMER PAPER TEARING ELIMINATOR (WATERFALL FORMER)	

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Ranpak Ref.	Renner Ref.	Patent No.	Exp. Date	Alias	Note
31.01.424	RANPP0295 US	6,174,273	12/18/2018	JOE'S TENSION CONTROL	In force
31.01.424 Con1	RANPP0295 USA	6,491,614	12/18/2018	JOEH'S TENSION CONTROL	In force
31.01.431	RANPP0298 US & USA	6,387,029	10/01/2019	COOKING GEAR MODIFIED CUTTING RING	In force
31.01.432 NATL	RANPP302 US	6,628,813	10/27/2018	COILER COMBINATION (FROM PCT)	In force
31.01.465	RANPP0316 USA	6,676,889	06/08/2021	FILLPAK (GATHERING PADDLES)	In force
31.01.468	RANPP0318 USA	6,699,167	09/15/2021	TEAR FREE SPIDER FORMER	In force
31.01.491	RANPP0328 USA	6,718,729	11/23/2021	CUSTOM DROP GATE	In force
31.01.496	RANPP0333 US	D 477,323	07/15/2017	REMOVE BOX-COST REDUCTION VERSION-DESIGN	In force
31.01.017 Con1	RANPP0094 USA	5,727,499	03/17/2015	KITTY LITTER BOX	
31.01.041 Con1	RANPP0094 USC	5,655,479	08/12/2014	KITTY LITER BOX	
31.01.120	RANPP0196 US	5,830,765	11/03/2015	ECO DETECT	
31.01.154	RANPP0094 USB	5,730,085	03/24/2015	KITTY LITTER BOX	
31.01.223	RANPP0198 USB	5,780,385	07/14/2015	ECO DETECT METHOD OF MAKING	
31.01.225	RANPP0196 USC	5,685,259	11/11/2014	ECO DETECT KITTY LITTER BOX	
31.01.359	RANPP0259 & 290 US	6,877,297	4/12/05	PROJECT 2000 (Systems 1, 2 & 3)	
31.01.485	RANPP0328 US & USA	6,756,096	6/29/04	PAST-IT SPLICER/PRODUCT	
31.01.538	RANPP0350 USA	6,918,489	7/19/05	FILL PAK DEVELOPMENTS	
31.01.546	RANPP0305 USB	6,758,801	7/6/04	ROUNDED END CONSTANT-ENTRY MEMBER	
		6,783,489	8/31/04	CUSHIONING CONVERSION MACHINE AND METHOD	

*** Pending Applications Utility Patents in US/ United States

Ranpak Ref.	Renner Ref.	Application No.	Issue Date	Exp. Date	Alias	Note
31.01.187 Con1	RANPP0170 USA	09/781,733			MICROPROCESSOR PAPER/PAD USAGE	
31.01.209 Con1	RANPP0185 USA	09/387,399			NATUREMBAL IMPROVEMENTS/CON 1	

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31.01.302 DivI	RANPP0300 USA	10/353,564	CONTAINER PROBE AND TEMPORARY REMOTE CONTROL
31.01.412 DivI	RANPP0299 USA	10/141,443	PAD INSERTION SYSTEM
31.01.437	RANPP0305 USA	09/453/480	MOVING BLADE SHUTTER
31.01.438 NATL	RANPP0310 USA	10/087,613	HEAVY DUTY DUNNAGE CONVERTER
31.01.448 NATL	RANPP0312 USA	10/373,385	VOID FIL CONVERTER (TURNED & CRIMPED EDGES)
31.01.464 NATL	RANPP0315 USA	10/303,660	MATPAK
31.01.530	RANPP0346 USA	10/696,746	FILL PAK DEVELOPMENTS (straddling stand, continuous feed fan-fold paper, simultaneous feed fan-fold paper, fan-folded paper cart, stopped table/shingfedd paper trough and paddle wheel supply elevator) ACCUFILL (Formerly Cubimeter)
31.01.532	RANPP0349 USA	10/700,364	
31.01.533	RANPP0348 USA	10/702,225	COILER WITH GUN FASTENER
31.01.537	RANPP0352 USA	10/780,113	MULTI-PLY END-OF-WEB DETECTION
31.01.539	RANPP0353 USA	10/788,246	KNEE/HIP ACTUATOR (Fillpak Development)

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SCHEDULE I
to
RELEASE OF SECURITY INTEREST IN PATENTS

- A. See the Patent Portfolio attached hereto as Schedule A dated December 20, 2001 (which includes utility and design patents/applications; utility models and registered designs) for a list of all Grantor Patents.
- B. Patent License Agreements:
1. Industrial Market License Agreement by and between Ranpak Corp. and Prima Tek II, LLC, a part of the Asset Purchase Agreement dated as of October 21, 1998, between the Company and Highland Manufacturing and Sales Co.
 2. Industrial Market License Agreement, part of the Asset Purchase Agreement dated as of May 1, 2000 between and among the Company Ranpak B.V. and SCA Packaging Nederland.
 3. Agreement between the Company and Crowe, Chizek & Company LLP, dated June 22 and signed June 30, 1998, Renews Yearly, for Professional Services.
 4. PAL Development Agreement and Statement of Work between the Company and Crowe, Chizek & Company LLP, effective May 23, 2000, for software development.
 5. License to Crowe, Chizek & Company LLP contained in the PAL Development Agreement and Statement of Work between the Company and Crowe, Chizek & Company LLP, effective May 23, 2000.
 6. Invention Agreement between the Company and Astro Model Developments (East Lake, Ohio) dated July 13, 1987.

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31.01.055	RANPP0078 US	4,884,999	01/04/2008	NARROW WIDTH CONVERSION KIT	In force
31.01.056	RANPP0078 USA	5,061,543	10/29/2008	NARROW WIDTH PRODUCT	In force

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Ranpak Ref.	Renner Ref.	Patent No.	Exp. Date	Atlas	Note
31.01.057	RANPP0078 USB	5,188,561	02/23/2010	NARROW WIDTH METHOD	In force
31.01.067 Con2	RANPP0086 US	6,077,209	10/05/2010	AUTOPAD PACKAGING SYSTEM	In force
31.01.068 Con1	RANPP0084 USB	5,468,208	11/21/2012	AUTOPAD POST CUTTING BROADENED CONTINUATION CASE	In force
31.01.089	RANPP0088 US	4,750,896	10/28/2005	PADPAK MACHINE-3 rd GENERATION	In force
31.0.1090	RANPP0145 US	5,730,696	06/07/2015	LAZY SUSAN	In force
31.01.093	RANPP0108 US	5,569,146	01/28/2014	PAD ALIGNER	In force
31.01.099	RANPP0118 US	5,593,376	07/22/2014	PADPAK JR I	In force
31.01.112	RANPP0137 US	6,190,299	02/20/2018	15" KID REDESIGN	In force
31.01.138	RANPP0125 US	5,607,383	07/22/2014	PADPAK JR III	In force
31.01.153	RANPP0150 US	5,735,784	06/07/2015	RICH'S WHEEL LOADER	In force
31.01.157 Con1	RANPP0128 USA	6,135,939	07/22/2014	BOBBY PIN PAPER FORMER (Con1)	In force
31.01.161	RANPP0142 US	D370,920	06/18/2010	PADPAK JR (Design)	In force
31.01.162 CIP1	RANPP0227 US	6,080,097	06/07/2015	SINGLE FEED/CUT MOTOR	In force
31.01.166	RANPP0143 US	5,681,255	10/28/2014	UNIVERSAL PAD-N-PAK	In force
31.01.166 Con1	RANPP0143 US	6,146,321	05/21/2013	UNIVERSAL PAD-N-PAK (Con1)	In force
31.01.175	RANPP00175 US & USA	6,026,632	07/03/2016	AUTOMATIC AUTOPAD WITH STOPPED CHUTE (Ciba Vision)	In force
31.01.175 Con1	RANPP0175 USB	6,217,498	06-07/2015	AUTOMATIC AUTOPAD WITH STOPPED CHUTE/CON1 (Ciba Vision)	In force
31.01.181	RANPP0169 US	5,897,478	04/27/2016	MICRO PROCESSOR/PAPER POLICING	In force
31.01.186	RANPP153 US	5,674,172	10/07/2014	PADPAK JR SINGLE FEED/CUT HANDLE	In force
31.01.187	RANPP0170 US	6,203,481	03/20/2018	MICRO PROCESSOR/MACHINE NETWORK	In force
31.01.189	RANPP0172 US	6,179,762	01/30/2018	CUTTER USE MONITORING (FORMERLY MICRO PROCESSOR/SERVICE DIAGNOSTICS)	In force
31.01.187 Div1	RANPP0172 USA	6,432,032	01/30/2018	MICROPROCESSOR SERVICE DIAGNOSTICS	In force
31.01.190	RANPP0173 US	5,871,429	11/19/2013	MICRO PROCESSOR/LENGTH ENCODER	In force

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31.01.191	RANPP0167 US	5,807,229	09/15/2015	GARY'S STITCHING GEARS	In force
31.01.196	RANPP0088 USC	5,658,229	08/19/2014	AUTOPAD CUTTING ASSEMBLY-BROADENED CON II	In force
31.01.205	RANPP0164 US	6,035,613	06/07/2015	SECTIONAL COINING GEARS	In force
31.01.209	RANPP0185 US	6,019,715	06/26/2016	NATUREMBAL IMPROVEMENTS	In force
31.01.212	RANPP0099 USA & USB	5,876,318	11/19/2013	LENGTH ENCODER	In force
31.01.221	RANPP0166 US	5,755,656	06/07/2015	ED'S STAPLING GEAR	In force
31.01.222	RANPP0168 & 292 US	6,155,963	07/28/2018	JIM'S POWER UNWIND	In force
31.01.228 Div1	RANPP0186 USA	6,436,511	07/03/2017	SHEET CRUMPLER	In force
31.01.238	RANPP0153 USA	5,908,375	06/01/2018	MANUAL FEED (PadPak JR) (EX MODULAR CONSTRUCTION)	In force
31.01.239	RANPP0153 USB	5,840,004	11/24/2015	MANUAL CUTTING ASSEMBLY (PadPak JR)	In force
31.01.239 Div1	RANPP0153 USG	5,997,461	07/22/2014	MANUAL CUTTING ASSEMBLY/DIV 1 (PADPAK JR)	In force
31.01.240	RANPP0153 USC	5,803,893	09/08/2015	JR STANDS (PADPAK JR)	In force
31.01.240 Div1	RANPP0153 US	6,561,964	07/07/2016	JR STANDS (REMOVABLE FEED)	In force
31.01.241	RANPP0153 USD	5,891,009	12/12/2016	TRUMPETED FORMING CHUTE (PADPAK JR)	In force
31.01.242	RANPP0153 USE	5,709,642	01/20/2016	ADJUSTABLE BIASED COINING GEAR (RENAMED MANUAL FEED)	In force
31.01.242 NATL	RANPP0252 US	6,416,451	06/28/2016	PCT POST CULLING ALTERNATIVES	In force
31.01.247	RANPP0182 US	6,033,353	02/26/2017	PAPER TOWEL PAD	In force
31.01.247 Div1	RANPP0182 USA	6,277,459	02/26/2017	PAPER TOWEL PAD	In force
31.01.248	RANPP0181 US	6,468,197	08/18/2018	ALTERNATIVE JUNIOR CULLERS	In force
31.01.261	RANPP0195 USA	5,902,223	10/02/2016	PIVOTING CURVED OUTPUT CHUTE	In force
31.01.265	RANPP0119 USE	5,785,639	06/07/2015	SHELL STUFFING MACHINE/METHOD	In force
31.01.266	RANPP0119 US	6,254,945	06/07/2012	SHELL STUFFING PAD	In force
31.01.270	RANPP0119 US	5,924,971	04/01/2014	RADLALLY RETRACTING ROTATING MEMBERS	In force
31.01.273	RANPP0119 USC	5,947,886	09/07/2016	EMBOSSED METHOD/MACHINE	In force

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31.01.287	RANPP0210 US	6,015,374	01/11/2016	FORMERLESS MACHINE	In force
31.01.287 Div1	RANPP0210 USA	5,168,847	01/11/2016	FORMERLESS MACHINE (Div)	In force
31.01.288	RANPP0211 USB	5,836,538	10/11/2016	AUTOPAD ROLL LIFTER (2)	In force
31.01.298	RANPP0218 US	5,823,936	02/08/2016	RICH'S IMPROVED WHEEL LOADER	In force
31.01.299	RANPP0220 US	D380,212	06/24/2011	OPERATOR PANEL (DESIGN)	In force
31.01.302	RANPP0169 USA	5,864,484	06/07/2015	MICRO PROCESSOR (REAL TIME)	In force
31.01.302 CIP2	RANPP0300 US	6,524,230	12/11/2015	MICROPROCESSOR PADPAK (MACHINE TRACKING)	In force
31.01.309	RANPP0285 US & USA	6,176,818	06/07/2015	PADPAK 97	In force
31.01.322	RANPP0222 &225 US	6,217,501	06/28/2016	CURVED CHUTE OUTPUT DRIVE	In force
31.01.346 NATL	RANPP0266 US	6,240,705	07/26/2016	DISPENSER APPLICATIONS	In force
31.01.352	RANPP0239 US	5,829,231	11/14/2016	96 PMMI SHOW MACHINE/AUTOMATED VOID FIT	In force
31.01.361	RANPP0241 US	5,778,631	02/07/2017	REDUNDANT AUTOPAD WITH DISPENSER	In force
31.01.368	RANPP0242 US	5,813,967	02/25/2017	WEB TENSION ROLLER (PADPAK JR)	In force
31.01.371	RANPP0280 US	6,540,652	07/18/2018	PAD WIDTH ADJUSTER	In force
31.01.378	RANPP0258 US& USA	6,207,249	06/07/2015	NARROW STAPLING GEAR	In force
31.01.398	RANPP0277 US & USA	6,402,674	12/22/2018	DANCER ROLL CART	In force
31.01.399	RANPP0286 USA	6,095,454	01/05/2018	PAPER ROLL STAND	In force
31.01.401	RANPP0306 US	6,200,251	01/12/2019	IMPROVED SEPARATOR BARS	In force
31.01.401 Con1	RANPP0306 USA	6,610,001	01/12/2019	BIASED CONSTANT-ENTRY ROLLER	In force
31.01.412	RANPP0299 US	6,421,985	09/18/2017	IMPROVED PAD DELIVERY AND INSERTION SYSTEM	In force
31.01.413	RANPP0283 US	6,132,842	04/01/2014	JIM'S/ED'S NEW PAD	In force
31.01.415	RANPP0284 US & USA	6,168,660	04/16/2019	PAD OUTFEED MECHANISM	In force
31.01.418 NATL	RANPP0303 US	6,626,812	06/12/2019	PAD EXPANDER MANDRESL	In force
31.01.422	RANPP0293 US	6,210,310	01/12/2019	LEXAN FORMER PAPER TEARING ELIMINATOR (WATERFALL FORMER)	

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31.01.424	RANPP0295 US	6,174,273	12/18/2018	JOE'S TENSION CONTROL	In force
31.01.424 Con1	RANPP0295 USA	6,491,614	12/18/2018	JOEH'S TENSION CONTROL	In force
31.01.431	RANPP0298 US & USA	6,387,029	10/01/2019	COOKING GEAR MODIFIED CUTTING RING	In force
31.01.432 NATL	RANPP302 US	6,628,813	10/27/2018	COILER COMBINATION (FROM PCT)	In force
31.01.465	RANPP0316 USA	6,676,889	06/08/2021	FILLPAK (GATHERING PADDLES)	In force
31.01.468	RANPP0318 USA	6,699,167	09/15/2021	TEAR FREE SPIDER FORMER	In force
31.01.491	RANPP0328 USA	6,718,729	11/23/2021	CUSTOM DROP GATE	In force
31.01.496	RANPP0333 US	D 477,323	07/15/2017	REMOVE BOX-COST REDUCTION VERSION-DESIGN	In force
31.01.017 Con1	RANPP0094 USA	5,727,499	03/17/2015	KITTY LITTER BOX	
31.01.041 Con1	RANPP0094 USC	5,655,479	08/12/2014	KITTY LITER BOX	
31.01.120	RANPP0196 US	5,830,765	11/03/2015	ECO DETECT	
31.01.154	RANPP0094 USB	5,730,085	03/24/2015	KITTY LITTER BOX	
31.01.223	RANPP0198 USB	5,780,385	07/14/2015	ECO DETECT METHOD OF MAKING	
31.01.225	RANPP0196 USC	5,685,259	11/11/2014	ECO DETECT KITTY LITTER BOX	
31.01.359	RANPP0259 & 290 US	6,877,297	4/12/05	PROJECT 2000 (Systems 1, 2 & 3)	
31.01.485	RANPP0328 US & USA	6,756,096	6/29/04	PAST-IT, SPLICER/PRODUCT	
31.01.538	RANPP0350 USA	6,918,489	7/19/05	FILL PAK DEVELOPMENTS	
31.01.546	RANPP0305 USB	6,758,801	7/6/04	ROUNDED END CONSTANT-ENTRY MEMBER	
		6,783,489	8/31/04	CUSHIONING CONVERSION MACHINE AND METHOD	

*** Pending Applications Utility Patents in US/ United States

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31.01.187 Con1	RANPP0170 USA	09/781,733			MICROPROCESSOR PAPER/PAD USAGE	
31.01.209 Con1	RANPP0185 USA	09/387,399			NATUREMBAL IMPROVEMENTS/CON 1	

31.01.302 DivI	RANPP0300 USA	10/353,564	CONTAINER PROBE AND TEMPORARY REMOTE CONTROL
31.01.412 DivI	RANPP0299 USA	10/141,443	PAD INSERTION SYSTEM
31.01.437	RANPP0305 USA	09/453,480	MOVING BLADE SHUTTER
31.01.438 NATL	RANPP0310 USA	10/087,613	HEAVY DUTY DUNNAGE CONVERTER
31.01.448 NATL	RANPP0312 USA	10/373,385	VOID FII CONVERTER (TURNED & CRIMPED EDGES)
31.01.464 NATL	RANPP0315 USA	10/303,660	MATPAK
31.01.530	RANPP0346 USA	10/696,746	FILL PAK DEVELOPMENTS (straddling stand, continuous feed fan-fold paper, simultaneous feed fan-fold paper, fan-folded paper cart, stopped-table/shingfedd paper trough and paddle wheel supply elevator) ACCUFILL (Formerly Cubimeter)
31.01.532	RANPP0349 USA	10/700,364	
31.01.533	RANPP0348 USA	10/702,225	COILER WITH GUN FASTENER
31.01.537	RANPP0352 USA	10/780,113	MULTI-PLY END-OF-WEB DETECTION
31.01.539	RANPP0353 USA	10/788,246	KNEE/HIP ACTUATOR (Fillpak Development)

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