

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4688859

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	FIRST LIEN SECURITY AGREEMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ENCAPSYS, LLC	11/07/2017
IPS STRUCTURAL ADHESIVES, INC.	11/07/2017
IPS CORPORATION	11/07/2017
WATERTITE PRODUCTS, INC.	11/07/2017
WELD-ON ADHESIVES, INC.	11/07/2017
IPS ADHESIVES LLC	11/07/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH, AS FIRST LIEN COLLATERAL AGENT
<b>Street Address:</b>	ELEVEN MADISON AVENUE
<b>City:</b>	NEW YORK
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10010
<b>PROPERTY NUMBERS Total: 110</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	6592990
Patent Number:	6544926
Patent Number:	6830645
Patent Number:	6726796
Patent Number:	6517648
Patent Number:	6843871
Patent Number:	7300530
Patent Number:	7122503
Patent Number:	6890592
Patent Number:	7803422
Patent Number:	7736695
Patent Number:	7985445
Patent Number:	8119214
Patent Number:	8796381
Patent Number:	7629394
<b>PATENT</b>	

Property Type	Number
Patent Number:	7722939
Patent Number:	7722940
Patent Number:	7678847
Patent Number:	8893760
Patent Number:	8071214
Patent Number:	8067355
Patent Number:	7915215
Patent Number:	8551935
Patent Number:	8974547
Patent Number:	8242056
Patent Number:	8067089
Patent Number:	8455098
Patent Number:	8715544
Patent Number:	8440265
Patent Number:	9714396
Patent Number:	9714397
Patent Number:	9656233
Patent Number:	9528032
Patent Number:	9205395
Patent Number:	9192908
Patent Number:	6602958
Patent Number:	6852801
Patent Number:	7795351
Patent Number:	RE46269
Patent Number:	7816453
Patent Number:	6073891
Patent Number:	6152412
Patent Number:	6116286
Patent Number:	6129109
Patent Number:	6234198
Patent Number:	7032615
Patent Number:	7055184
Patent Number:	7441729
Patent Number:	6799600
Patent Number:	6618875
Patent Number:	6622317
Patent Number:	7017199
Patent Number:	7264431

Property Type	Number
Patent Number:	8196612
Patent Number:	7341285
Patent Number:	8276636
Patent Number:	8746747
Patent Number:	9044900
Patent Number:	9133373
Patent Number:	7464727
Patent Number:	7077156
Patent Number:	8136548
Patent Number:	7597118
Patent Number:	9091046
Patent Number:	8042576
Patent Number:	9068678
Patent Number:	9018326
Patent Number:	D536349
Patent Number:	8256467
Patent Number:	6087421
Patent Number:	D551064
Patent Number:	9683355
Patent Number:	9388555
Patent Number:	9676922
Patent Number:	6372821
Patent Number:	9488307
Patent Number:	8747004
Patent Number:	8899446
Patent Number:	9394674
Patent Number:	9422704
Patent Number:	9371635
Patent Number:	9518381
Patent Number:	9650765
Patent Number:	9650766
Patent Number:	7731131
Patent Number:	8567434
Patent Number:	7908685
Patent Number:	7025092
Application Number:	15629223
Application Number:	15629286
Application Number:	15629111

Property Type	Number
Application Number:	15629066
Application Number:	15436932
Application Number:	15372545
Application Number:	15334540
Application Number:	15225986
Application Number:	14884671
Application Number:	62471999
Application Number:	62451387
Application Number:	14787918
Application Number:	14547896
Application Number:	14307171
Application Number:	14304371
Application Number:	14136663
Application Number:	13909728
Application Number:	14858394
Application Number:	14862751
Application Number:	14743508
Application Number:	15179355
Application Number:	15159407

#### CORRESPONDENCE DATA

**Fax Number:** (800)494-7512

*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.*

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<b>ATTORNEY DOCKET NUMBER:</b>	F173778 ENCORE 1L PATENT
<b>NAME OF SUBMITTER:</b>	SONYA JACKMAN
<b>SIGNATURE:</b>	/Sonya Jackman/
<b>DATE SIGNED:</b>	11/14/2017

#### Total Attachments: 13

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SHORT FORM FIRST LIEN  
PATENT SECURITY AGREEMENT

This FIRST LIEN PATENT SECURITY AGREEMENT (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "Patent Security Agreement") dated November 7, 2017, is made by the Persons listed on the signature pages hereof (collectively, the "Grantors") in favor of CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH ("CS") as Collateral Agent (the "First Lien Collateral Agent") for the Secured Parties. Capitalized terms used herein and not otherwise defined herein shall have the meanings assigned to such terms in the Credit Agreement and the Security Agreement referred to therein.

WHEREAS, CPG MERGER LLC, a Delaware limited liability company, as the initial parent guarantor thereunder, whose rights and obligations therein were assigned to and assumed by IPS ACQUISITION, LLC, a Delaware limited liability company, the entities listed on the signature pages thereto as Borrowers, CPG TRANSACTION, LLC as Holdings, CS, as Administrative Agent and Collateral Agent, each Lender from time to time party thereto (collectively, the "Lenders" and individually, a "Lender") and each other party thereto have entered into the First Lien Credit Agreement dated as of November 7, 2017 (the "Closing Date") (as amended, restated, amended and restated, extended, supplemented or otherwise modified from time to time, the "Credit Agreement"), pursuant to which the Lenders have severally agreed to make Loans, the L/C Issuers to issue Letters of Credit, the Hedge Banks to enter into Secured Hedge Agreements and the Cash Management Banks to enter into agreements in respect of Cash Management Obligations upon the terms and subject to the conditions therein.

WHEREAS, in connection with the Credit Agreement, the Grantors have entered into the First Lien Security Agreement dated as of the Closing Date (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "Security Agreement") in order to induce the Lenders to make Loans, the L/C Issuers to issue Letters of Credit, the Hedge Banks to enter into Secured Hedge Agreements and the Cash Management Banks to enter into agreements in respect of the Cash Management Obligations.

WHEREAS, under the terms of the Security Agreement, the Grantors have granted to the First Lien Collateral Agent, for the benefit of the Secured Parties, a security interest in, among other property, certain Intellectual Property of the Grantors, and have agreed as a condition thereof to execute this Patent Security Agreement for recording with the United States Patent and Trademark Office.

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

SECTION 1. Grant of Security. Each Grantor hereby grants to the First Lien Collateral Agent for the benefit of the Secured Parties a security interest in all of such Grantor's right, title and interest in and to the following (the "First Lien Collateral"):

- (a) all issued and pending Patents (as defined in the Security Agreement) in the United States Patent and Trademark Office, including those set forth in Schedule A hereto.

SECTION 2. Security for Obligations. The grant of a security interest in the First Lien Collateral by each Grantor under this Patent Security Agreement secures the payment of all Obligations of such Grantor now or hereafter existing under or in respect of the Loan Documents, whether direct or indirect,

absolute or contingent, and whether for principal, reimbursement obligations, interest, premiums, penalties, fees, indemnifications, contract causes of action, costs, expenses or otherwise. Without limiting the generality of the foregoing, this Patent Security Agreement secures, as to each Grantor, the payment of all amounts that constitute part of the secured Obligations and that would be owed by such Grantor to any Secured Party under the Loan Documents but for the fact that such secured Obligations are unenforceable or not allowable due to the existence of a bankruptcy, reorganization or similar proceeding involving a Loan Party.

SECTION 3. Recordation. This Patent Security Agreement has been executed and delivered by the Grantors for the purpose of recording the grant of security interest herein with the United States Patent and Trademark Office. Each Grantor authorizes and requests that the Commissioner for Patents and the Commissioner for Trademarks record this Patent Security Agreement.

SECTION 4. Execution in Counterparts. This Patent Security Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

SECTION 5. Grants, Rights and Remedies. This Patent Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. Each Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the First Lien Collateral Agent with respect to the First Lien Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Patent Security Agreement and the terms of the Security Agreement, the terms of the Security Agreement shall govern.

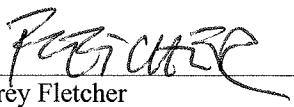
SECTION 6. Governing Law. This Patent Security Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.

SECTION 7. Severability. In case any one or more of the provisions contained in this Patent Security Agreement should be held invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein and in the Security Agreement shall not in any way be affected or impaired thereby (it being understood that the invalidity of a particular provision in a particular jurisdiction shall not in and of itself affect the validity of such provision in any other jurisdiction). The parties hereto shall endeavor in good-faith negotiations to replace the invalid, illegal or unenforceable provisions with valid provisions the economic effect of which comes as close as possible to that of the invalid, illegal or unenforceable provisions.

[Signature Pages Follow]

IN WITNESS WHEREOF, each Grantor has caused this Patent Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

**ENCAPSYS, LLC**  
as an Initial Guarantor

By:   
Name: Jeffrey Fletcher  
Title: Chief Financial Officer

**IPS STRUCTURAL ADHESIVES, INC.**  
**IPS CORPORATION**  
**WATERTITE PRODUCTS, INC.**  
**WELD-ON ADHESIVES, INC.**  
**IPS ADHESIVES LLC**  
each, as an Initial Guarantor


By: \_\_\_\_\_  
Name: William Barton  
Title: Chief Financial Officer, Secretary and Treasurer

IN WITNESS WHEREOF, each Grantor has caused this Patent Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

**ENCAPSYS, LLC**  
as an Initial Guarantor

By: \_\_\_\_\_  
Name: Jeffrey Fletcher  
Title: Chief Financial Officer

**IPS STRUCTURAL ADHESIVES, INC.**  
**IPS CORPORATION**  
**WATERTITE PRODUCTS, INC.**  
**WELD-ON ADHESIVES, INC.**  
**IPS ADHESIVES LLC**  
each, as an Initial Guarantor

By:  \_\_\_\_\_  
Name: William Barton  
Title: Chief Financial Officer, Secretary and Treasurer

CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH,  
as First Lien Collateral Agent

By: 

Name: John Toranzo  
Title: Authorized Signatory

By: 

Name: Lingzi Huang  
Title: Authorized Signatory

[Signature Page to First Lien Patent Security Agreement]

**PATENT**  
**REEL: 044444 FRAME: 0914**

# SCHEDULE A

## United States Patents and Patent Applications

Jurisdiction	Title	Serial No.	App. Date	Pub/ Patent No.	Pub/Issue Date	Record Owner	Status
US	In situ microencapsulated adhesive	09/942,648	30-Aug-2001	6,592,990	15-Jul-2003	Encapsys LLC	Issued
US	Microcapsules having improved printing and efficiency	09/975,882	11-Oct-2001	6,544,926	08-Apr-2003	Encapsys LLC	Issued
US	System and method for rupturing encapsulated adhesive in sheet media	09/816,321	26-Mar-2001	6,830,645	14-Dec-2004	Encapsys LLC	Issued
US	Pressure sensitive labeler-liner eliminator	09/994047	27-Nov-2001	6,726,796	27-Apr-2004	Encapsys LLC	Issued
US	Process for preparing a non-woven fibrous web	10/001,121	02-Nov-2001	6,517,648	11-Feb-2003	Encapsys LLC	Issued
US	Process for preparing a non-woven fibrous web	10/298,200	15-Nov-2002	6,843,871	18-Jan-2005	Encapsys LLC	Issued
US	Process for preparing a non-woven fibrous web	11/036,726	14-Jan-2005	7,300,530	27-Nov-2007	Encapsys LLC	Issued
US	Uniform microcapsules	11/051,744	28-Mar-2005	7,122,503	17-Oct-2006	Encapsys LLC	Issued
US	Uniform microcapsules	10/099,757	13-Mar-2002	6,890,592	10-May-2005	Encapsys LLC	Issued
US	Water-in-oil capsule manufacture process and microcapsules produced by such process	11/436,496	18-May-2006	7,803,422	28-Sep-2010	Encapsys LLC	Issued
US	Oil-in-water capsule manufacture process and microcapsules produced by such process	11/436,317	18-May-2006	7,736,695	15-Jun-2010	Encapsys LLC	Issued
US	Water-in-oil capsule manufacture process and microcapsules produced by such process	12/855,733	13-Aug-2010	7,985,445	26-Jul-2011	Encapsys LLC	Issued
US	Encapsulated cure systems	11/216,516	31-Aug-2005	8,119,214	21-Feb-2012	Encapsys LLC	Issued
US	Encapsulated cure systems	13/235,357	17-Sep-2011	8,796,381	05-Aug-2014	Encapsys LLC	Issued
US	UV curable coating material of encapsulated water dispersed core material	11/358,817	21-Feb-2006	7,629,394	08-Dec-2009	Encapsys LLC	Issued
US	Adhesively securable stock materials	11/364,730	28-Feb-2006	7,722,939	25-May-2010	Encapsys LLC	Issued
US	Adhesively securable stock packaging materials	11/364,736	28-Feb-2006	7,722,940	25-May-2010	Encapsys LLC	Issued
US	Encapsulated structural adhesive	11/451,833	13-Jun-2006	7,678,847	16-Mar-2010	Encapsys LLC	Issued

Jurisdiction	Title	Serial No.	App. Date	Pub/ Patent No.	Pub/Issue Date	Record Owner	Status
US	Activator means for pre-applied adhesives	13/236,214	19-Sep-2011	8,893,760	25-Nov-2014	Encapsys LLC	Issued
US	Particle with selected permeance wall	12/221,781	06-Aug-2008	8,071,214	06-Dec-2011	Encapsys LLC	Issued
US	Benefit agent containing delivery particles	12/384,685	08-Apr-2009	8,067,355	29-Nov-2011	Encapsys LLC	Issued
US	Fragrance-delivery composition comprising boron and persulfate ion-crosslinked polyvinyl alcohol microcapsules and method of use thereof	12/289,010	17-Oct-2008	7,915,215	29-Mar-2011	Encapsys LLC	Issued
US	Benefit agent containing delivery particle	13/307,085	30-Nov-2011	8,551,935	08-Oct-2013	Encapsys LLC	Issued
US	Delivery particle	12/508,214	23-Jul-2009	8,974,547	10-Mar-2015	Encapsys LLC	Issued
US	Agriculture actives delivery composition comprising boron and persulfate ion-crosslinked polyvinyl alcohol microcapsules and method of use thereof	12/587,669	09-Oct-2009	8,242,056	14-Aug-2012	Encapsys LLC	Issued
US	Cationic microcapsule particles	12/382,946	27-Mar-2009	8,067,089	29-Nov-2011	Encapsys LLC	Issued
US	Encapsulated solid hydrophilic particles	12/754,900	06-Apr-2010	8,455,098	04-Jun-2013	Encapsys LLC	Issued
US	Hydrophilic liquid encapsulates	12/973,175	20-Dec-2010	8,715,544	06-May-2014	Encapsys LLC	Issued
US	Water- and heat-resistant scratch-and-sniff coating	12/761,026	15-Apr-2010	8,440,265	14-May-2013	Encapsys LLC	Issued
US	Controlled Release Dual Walled Microcapsules	14/884684	15-Oct-2015	9,714,396	25-Jul-2017	Encapsys LLC	Issued
US	Controlled Release Microcapsules	14/884694	15-Oct-2015	9,714,397	25-Jul-2017	Encapsys LLC	Issued
US	Reversible Microcapsule Filter Cake	14/599014	16-Jan-2015	9,656,233	23-May-2017	Encapsys LLC	Issued
US	Activator Means For Pre-Applied Adhesives	14/550984	22-Nov-2014	9,528,032	27-Dec-2016	Encapsys LLC	Issued
US	Encapsulation	12/904755	14-Oct-2010	9,205,395	8-Dec-2015	Encapsys LLC	Issued
US	Encapsulated Solid Hydrophilic Particles	13/864667	17-Apr-2013	9,192,908	24-Nov-2015	Encapsys LLC	Issued
US	Controlled Release Microcapsules	15/629223	21-Jun-2017	20170281985	5-Oct-2017	Encapsys LLC	Published
US	Controlled Release Microcapsules	15/629286	21-Jun-2017	20170281986	5-Oct-2017	Encapsys LLC	Published
US	Controlled Release Dual Walled Microcapsules	15/629111	21-Jun-2017	20170283736	5-Oct-2017	Encapsys LLC	Published
US	Controlled Release Dual Walled Microcapsules	15/629066	21-Jun-2017	20170283735	5-Oct-2017	Encapsys LLC	Published

Jurisdiction	Title	Serial No.	App. Date	Pub/ Patent No.	Pub/Issue Date	Record Owner	Status
US	Reversible Microcapsule Filter Cake	15/436932	20-Feb-2017	20170189881	6-Jul-2017	Encapsys LLC	Published
US	Microencapsulation Process	15/372545	8-Dec-2016	20170165627	15-Jun-2017	Encapsys LLC	Published
US	Encapsulation	15/334540	26-Oct-2016	20170113200	27-Apr-2017	Encapsys LLC	Published
US	Aqueous Microcapsule Slurry	15/225986	2-Sep-2016	20170064945	9-Mar-2017	Encapsys LLC	Published
US	High Strength Microcapsules	14/884671	15-Oct-2015	20160106635	21-Apr-2016	Encapsys LLC	Published
US		62/471999	23-Mar-2017			Encapsys LLC	Pending
US		62/451387	27-Jan-2017			Encapsys LLC	Pending
US	Benefit Agent Delivery Particle	14/787918	29-Oct-2016	20160058678	03-Mar-2016	Encapsys LLC	Published
US	Benefit Agent Delivery Composition with a Low Content of Shell Particles	14/547896	19-Nov-2014	20150080285	19-Mar-2015	Encapsys LLC	Published
US	Paint with Encapsulated Solid Particles	14/307171	17-Jun-2014	20140371343	18-Dec-2014	Encapsys LLC	Published
US	Encapsulation of Solid Particles	14/304371	13-Jun-2014	20140370272	18-Dec-2014	Encapsys LLC	Published
US	Coated Paper	14/136663	20-Dec-2013	20140370271	18-Dec-2014	Encapsys LLC	Published

Jurisdiction	Title	App. No	App. Date	Patent No.	Issue Date	Record Owner	Status
United States	Adhesives for bonding composites	09/902436	7/10/2001	6602958	8/5/2003	IPS Structural Adhesives, Inc.	Issued
United States	Adhesives for bonding composites	10/634316	8/5/2003	6852801	2/8/2005	IPS Structural Adhesives, Inc.	Issued
United States	Adhesive compositions for bonding and filling large assemblies	11/646664	12/28/06	7795351	9/14/2010	IPS Corporation	Issued
United States	Adhesives for bonding composites	13/611205	9/12/2012	RE46269	1/10/2017	IPS Corporation	Issued

<b>Jurisdiction</b>	<b>Title</b>	<b>App. No</b>	<b>App. Date</b>	<b>Patent No.</b>	<b>Issue Date</b>	<b>Record Owner</b>	<b>Status</b>
United States	Adhesives for bonding composites	12/056342	3/27/2008	7816453	10/19/2010	IPS Corporation	Issued
United States	Sp lock pipe mounting clamp	09/004976	1/12/98	6073891	6/13/2000	IPS Corporation	Issued
United States	Suspension hanger	09/061707	4/17/98	6152412	11/28/2000	Watertite Products, Inc.	Issued
United States	Pneumatic pipe plug	09/123395	7/15/98	6116286	9/12/2000	Watertite Products, Inc.	Issued
United States	Washer box	09/442714	11/18/99	6129109	10/10/2000	IPS Corporation	Issued
United States	Air vent valve	09/558847	4/27/00	6234198	5/22/2001	Watertite Products, Inc.	Issued
United States	Pipe-covering member having tear-away portions	10/407880	4/4/2003	7032615	4/25/2006	Watertite Products, Inc.	Issued
United States	Closet flange with knockout retainer	10/749729	12/30/2003	7055184	6/6/2006	IPS Corporation	Issued
United States	Ice maker valve box	11/188990	7/25/2005	7077156	7/18/2006	IPS Corporation	Issued
United States	J-hook hanger assembly	11/208827	8/22/2005	7441729	10/28/2008	IPS Corporation	Issued
United States	Protective metal housing for plastic air admittance valve	10/162374	6/4/2002	6799600	10/5/2004	IPS Corporation	Issued
United States	Plumbing fitting cover cap retention system	10/112844	3/28/2002	6618875	9/16/2003	Watertite Products Inc.	Issued
United States	Plumbing fitting cover cap retention system	10/365749	2/14/2003	6622317	9/23/2003	Watertite Products Inc.	Issued
United States	Plumbing fitting cover cap retention system	10/407593	4/7/2003	7017199	5/28/2006	Watertite Products Inc.	Issued
United States	Fastener for cover member and cover assembly comprised thereof	10/675405	9/30/2003	7264431	9/4/2007	Watertite Products Inc.	Issued

Jurisdiction	Title	App. No	App. Date	Patent No.	Issue Date	Record Owner	Status
United States	Fastener for cover member and cover assembly comprised thereof	11/395436	3/31/2006	8196612	6/12/2012	Watertite Products Inc.	Issued
United States	Chemical fusion of non-metallic pipe joints	11/089222	3/24/2005	7341285	3/11/2008	IPS, Corporation-Weld-On Division	Issued
United States	Chemical fusion of non-metallic pipe joints	12/045565	3/10/2008	8276636	10/2/2012	IPS, Corporation-Weld-On Division	Issued
United States	Pipe joints	13/286028	10/31/2011	8746747	6/10/2014	IPS, Corporation-Weld-On Division	Issued
United States	Chemical fusion of non-metallic pipe joints	13/633698	10/2/2012	9044900	6/2/2015	IPS, Corporation-Weld-On Division	Issued
United States	Elastic methacrylate compositions	13/904161	5/29/13	9133373	9/15/2015	IPS Corporation	Issued
United States	Clean-out repair plug	11/876256	10/22/2007	7464727	12/16/2008	IPS Corporation	Issued
United States	Ice maker valve box	11/188990	7/25/2005	7077156	7/18/2006	IPS Corporation	Issued
United States	Air admittance valve	12/188680	8/8/2008	8136548	3/20/2012	Watertite Products, Inc.	Issued
United States	Pneumatic pressure relief test plug	12/411999	3/26/2009	7597118	10/6/2009	IPS Corporation	Issued
United States	Strainer and insert assembly	13/068741	5/19/11	9091046	7/28/2015	IPS Corporation	Issued
United States	Mechanical clean-out test plug	12/411969	3/26/2009	8042576	10/25/2011	IPS Corporation	Issued
United States	Replacement closet flange	13/238956	9/21/11	9068678	6/30/2015	IPS Corporation	Issued
United States	Adhesive composition for bonding low surface energy polyolefin substrates	13/795478	3/12/13	9018326	4/28/2015	IPS Corporation	Issued

<b>Jurisdiction</b>	<b>Title</b>	<b>App. No</b>	<b>App. Date</b>	<b>Patent No.</b>	<b>Issue Date</b>	<b>Record Owner</b>	<b>Status</b>
United States	Small round ice box with nail	29/227295	4/8/2005	D536349	2/6/2007	IPS Corporation	Issued
United States	Plug with pressure release valve	13/155383	6/7/11	8256467	9/4/2012	IPS Corporation	Issued
United States	Pentanone-based CPVC adhesives having reduced content of heterocyclic solvents for joining CPVC subs	09/156995	9/18/98	6087421	7/11/00	IPS Corporation	Issued
United States	J-hook extension	29/236765	8/22/2005	D551064	9/18/2007	IPS Corporation	Issued
United States	Plumbing outlet box	13/909728	6/4/13			IPS Corporation	Published
United States	Air admittance valve	14/263326	4/28/2014	9683355	6/20/2017	IPS Corporation	Issued
United States	Plumbing outlet box with integrated mounting features	14/154949	1/14/2014	9388555	7/12/2016	IPS Corporation	Issued
United States	Heat and moisture resistant acrylic adhesive composition	14/705260	5/6/2015	9676922	6/13/2017	IPS Corporation	Issued
United States	Low VOC (volatile organic compounds) Dimethyl-2-Piperidone solvent-based PVC and CPVC pipe and component adhesives and primers containing minimal or no Tetrahydrofuran	09/651824	8/30/2000	6372821	4/16/2002	IPS Corporation	Issued
United States	Pipe fitting apparatus and methods	14/858394	9/18/2015			IPS, Corporation - Weld-On Division	Published
United States	Inflow prevention coupler	14/482837	9/10/2014	9488307	11/08/2006	IPS Corporation	Issued
United States	Dual diameter cap with integral and adjustable swab	13/855799	4/3/13	8747004	6/10/2014	IPS Corporation	Issued

<b>Jurisdiction</b>	<b>Title</b>	<b>App. No</b>	<b>App. Date</b>	<b>Patent No.</b>	<b>Issue Date</b>	<b>Record Owner</b>	<b>Status</b>
United States	Solvent cement for bonding thermoplastic resin articles	14/862751	9/23/15			IPS Corporation	Published
United States	Apparatus for mixing and dispensing multiple flowable components	13/643033	11/16/2012	8899446	12/2/2014	IPS Adhesives LLC	Issued
United States	Plumbing Outlet Box with Integrated Mounting Features	14/536222	11/7/2014	9394674	7/19/2016	IPS Corporation	Issued
United States	Replacement Closet Flange	14/676329	4/1/2015	9422704	8/23/2016	IPS Corporation	Issued
United States	Strainer and Insert Assembly	14/678325	4/3/2015	9371635	6/21/2016	IPS Corporation	Issued
United States	Plumbing Outlet Box with Mounting Features	14/682645	4/9/2015	9518381	12/13/2016	IPS Corporation	Published
United States	Pneumatic Pressure Relief Test Plug	14/743508	6/18/2015	None		IPS Corporation	Published
United States	Plumbing Outlet Box with Integrated Mounting Features	15/182232	6/14/2016	9650765	5/16/2017	IPS Corporation	Issued
United States	Plumbing Outlet Box with Integrated Mounting Features	15/185595	6/17/2016	9650766	5/16/2017	IPS Corporation	Issued
United States		15/179355	6/10/2016			IPS Corporation	Pending
United States		15/159407	5/19/2016			IPS Corporation	Pending
United States	Roof block	12/228723	8/15/2008	7731131	6/8/2010	Watertite Products, Inc.	Issued
United States	Closing and sealing means for air admittance valves in sanitary waste water pipe systems.	13/203004	8/24/2011	8567434	10/29/2013	Watertite Products, Inc.	Issued
United States	Water trap for sanitary appliances.	11/722792	8/13/2007	7908685	3/22/2011	Watertite Products, Inc.	Issued

Jurisdiction	Title	App. No	App. Date	Patent No.	Issue Date	Record Owner	Status
United States	A positive air pressure water trap for sanitary appliances.	10/488520	8/16/2004	7025092	4/11/2006	Watertite Products, Inc.	Issued