

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4804946

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
GEORGIA-PACIFIC CHEMICALS LLC	11/01/2017

**RECEIVING PARTY DATA**

<b>Name:</b>	ECOLAB USA INC.
<b>Street Address:</b>	1 ECOLAB PLACE
<b>City:</b>	ST. PAUL
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55102

**PROPERTY NUMBERS Total: 71**

Property Type	Number
Application Number:	09129304
Application Number:	08910638
Application Number:	09018196
Application Number:	10097656
Patent Number:	6222006
Patent Number:	7034087
Patent Number:	7119148
Patent Number:	7488403
Patent Number:	7589153
Patent Number:	7863395
Patent Number:	7868071
Patent Number:	7897013
Patent Number:	8246781
Patent Number:	8557925
Patent Number:	8785593
Patent Number:	9045862
Patent Number:	9180644
Patent Number:	9243365
Patent Number:	9499944
Patent Number:	9506196

PATENT

<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	9611590
<b>Patent Number:</b>	9689114
<b>Patent Number:</b>	9695552
<b>Patent Number:</b>	9777436
<b>Patent Number:</b>	9834890
<b>Application Number:</b>	10785403
<b>Application Number:</b>	10919487
<b>Application Number:</b>	10919488
<b>Application Number:</b>	11136730
<b>Application Number:</b>	11613758
<b>Application Number:</b>	60892382
<b>Application Number:</b>	11830426
<b>Application Number:</b>	12038250
<b>Application Number:</b>	12275619
<b>Application Number:</b>	61346802
<b>Application Number:</b>	13037681
<b>Application Number:</b>	61477679
<b>Application Number:</b>	13448982
<b>Application Number:</b>	61673534
<b>Application Number:</b>	61713346
<b>Application Number:</b>	61739329
<b>Application Number:</b>	61748781
<b>Application Number:</b>	61846855
<b>Application Number:</b>	13944923
<b>Application Number:</b>	14049337
<b>Application Number:</b>	61901094
<b>Application Number:</b>	14108492
<b>Application Number:</b>	14135440
<b>Application Number:</b>	61918906
<b>Application Number:</b>	61970985
<b>Application Number:</b>	14326515
<b>Application Number:</b>	62034375
<b>Application Number:</b>	62064508
<b>Application Number:</b>	14535320
<b>Application Number:</b>	14576789
<b>Application Number:</b>	14668097
<b>Application Number:</b>	14679417
<b>Application Number:</b>	14679442

Property Type	Number
Application Number:	14725403
Application Number:	14725384
Application Number:	62184452
Application Number:	14820580
Application Number:	62241453
Application Number:	14884723
Application Number:	15162016
Application Number:	15738893
Application Number:	15478203
Application Number:	15633133
Application Number:	15634615
Application Number:	15722944
Application Number:	15831161

**CORRESPONDENCE DATA**

**Fax Number:** (651)204-7507

*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:** 6517956814

**Email:** USPatent@ecolab.com

**Correspondent Name:** ECOLAB USA INC.

**Address Line 1:** 1 ECOLAB PLACE

**Address Line 4:** ST. PAUL, MINNESOTA 55102

<b>ATTORNEY DOCKET NUMBER:</b>	GP_TO_ECOLAB_USASSIGNMENT
<b>NAME OF SUBMITTER:</b>	AMY J. HOFFMAN
<b>SIGNATURE:</b>	/Amy J. Hoffman/
<b>DATE SIGNED:</b>	02/01/2018

**Total Attachments: 28**

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## WORLDWIDE PATENT ASSIGNMENT

This Worldwide Patent Assignment (“Assignment”) is made and entered into as of November 1, 2017, by and between Georgia-Pacific Chemicals LLC, a Delaware limited liability company (“Assignor”), and Ecolab USA, Inc., a Delaware corporation (“Assignee”) and an affiliate of Nalco Company LLC, a Delaware limited liability company (“Nalco”), pursuant to that certain Purchase and Sale Agreement, dated as of September 28, 2017, by and between Assignor, Nalco and, solely for purposes of Section 51 therein, Ecolab Inc. (the “Purchase Agreement”).

WHEREAS, the execution and delivery of this Assignment is contemplated by Section 8(a)(v) of the Purchase Agreement;

WHEREAS, Assignor owns certain right, title and interest in and to the patents and patent applications identified in Schedule A, attached hereto and incorporated herein by reference (the “Patents”); and

WHEREAS, pursuant to the Purchase Agreement, Assignee desires to acquire the Patents, and Assignor wishes to assign its right, title and interest in and to the Patents to the Assignee, as Nalco’s designee.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor and Assignee, each intending to be legally bound, hereby agree as follows:

1. Assignor does hereby sell, assign, transfer and set over to Assignee, and Assignee hereby accepts Assignor’s entire right, title and interest in and to the Patents, the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives, to the end of the terms for which patents are granted or renewed as fully and entirely as the same would have been held or enjoyed by Assignor if this Assignment had not been made, including, but not limited to, (i) all worldwide patents, patent applications, reissues, divisionals, continuations, continuations-in-part, renewals, reexamination certificates claiming priority to the Patents and (ii) all rights and claims, including claims for damages, lost profits, royalties and benefits arising because of any past, present and future infringements, misappropriations or other violations of the Patents (together, the “Assigned Rights”).

2. Assignor hereby authorizes and requests the Commissioner for Patents of the United States Patent and Trademark Office and any official of any other country, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to record and register this Assignment upon request by Assignee.

3. At Assignee’s sole cost and expense, Assignee and Assignor shall, and shall cause their respective Affiliates to, cooperate, and use their commercially reasonable efforts to take, or cause to be taken, all action, and to do, or cause to be done, all things necessary, proper, or advisable under applicable laws and regulations to consummate the transactions contemplated by this Assignment.

4. This Assignment and all claims relating to or arising out of the relationship of the parties hereto with respect to the subject matter hereof, shall be construed and interpreted in accordance with, and governed in all respects by, the internal laws of the State of Delaware (without giving effect to principles of conflicts of laws). Any Proceeding relating to this Assignment or the enforcement of any provision of this Assignment shall be brought or otherwise commenced exclusively in any state or federal court located in the State of Delaware. Each party to this Assignment: (i) expressly and irrevocably consents and submits to the jurisdiction of each state and federal court located in the State of Delaware (and each appellate court located in the State of Delaware), in connection with any Proceeding; (ii) agrees that service of any process, summons, notice or document by U.S. mail addressed to it at the address set forth in Section 25 of the Purchase Agreement, or as otherwise modified by notice, shall constitute effective service of such process, summons, notice or document for purposes of any such Proceeding; (iii) agrees that each state and federal court located in the State of Delaware, shall be deemed to be a convenient forum and (iv) agrees not to assert (by way of motion, as a defense or otherwise), in any such Proceeding commenced in any state or federal court located in the State of Delaware, any claim that it is not subject personally to the jurisdiction of such court, that such Proceeding has been brought in an inconvenient forum, that the venue of such proceeding is improper or that this Assignment or the subject matter of this Assignment may not be enforced in or by such court.

5. No alteration, modification or amendment of any provision of this Assignment shall be effective, unless the same shall be in writing and signed by Assignor, on the one hand, and Assignee, on the other hand. Any failure of any party to comply with any obligation, agreement or condition hereunder may only be waived in writing by the other party, but such waiver shall not operate as a waiver of, or estoppel with respect to, any subsequent or other failure. No failure by any party to take any action with respect to any breach of this Assignment or default by another party shall constitute a waiver of such party's right to enforce any provision hereof or to take any such action.

6. In case any term, provision, covenant or restriction contained in this Assignment is held to be invalid, illegal or unenforceable in any jurisdiction, the validity, legality and enforceability of the remaining terms, provisions, covenants or restrictions contained herein, and of such term, provision, covenant or restriction in any other jurisdiction, shall not in any way be affected or impaired thereby.

7. This Assignment may be executed in several counterparts (including by means of facsimile or electronic transmission in portable document format (PDF)), each of which shall be deemed an original and all of which shall constitute one and the same instrument, and shall become effective when counterparts have been signed by each of the parties and delivered to the other parties; it being understood that all parties need not sign the same counterparts.

8. Any capitalized term not otherwise defined in this Assignment shall have the meaning set forth for such term in the Purchase Agreement.

*[Signature Page Follows]*

Each party hereto has caused this Assignment to be signed and executed by its undersigned officer thereunto duly authorized on the date written above.

ASSIGNOR:

ASSIGNEE:

GEORGIA-PACIFIC CHEMICALS LLC

ECOLAB USA INC.

By:

*ME*  


By:

Name:

David G. Park

Name:

Title:

Vice President - Business  
Development

Title:

Each party hereto has caused this Assignment to be signed and executed by its undersigned officer thereunto duly authorized on the date written above.

ASSIGNOR:

ASSIGNEE:

GEORGIA-PACIFIC CHEMICALS LLC

ECOLAB USA INC.

By:


By:

Name:

Name:

Title:

Title:

  
Michael McCormack  
Authorized Signatory

[Signature Page to Worldwide Patent Assignment]

PATENT  
REEL: 045221 FRAME: 0775



**SCHEDULE A  
PATENTS**

1. The following Patents:

<b>Title</b>	<b>Country</b>	<b>Status</b>	<b>Application #</b>	<b>Date Filed</b>	<b>Patent #</b>	<b>Grant Date</b>
STYRENE-ACRYLATE COPOLYMER COMPOSITION SUITABLE FOR SURFACE SIZE APPLICATION	United States of America	Issued	10/097,656	Mar 15, 2002	6734232	May 11, 2004
STYRENE-ACRYLATE COPOLYMER COMPOSITION SUITABLE FOR SURFACE SIZE APPLICATION	Canada	Issued	2,445,957	Mar 6, 2003	2445957	May 25, 2010
WET STRENGTH THERMOSETTING RESIN FORMULATIONS AND POLYAMINAMIDE POLYMERS SUITABLE FOR USE IN THE MANUFACTURE OF PAPER PRODUCTS	United States of America	Issued	09/129,304	Aug 5, 1998	6222006	Apr 24, 2001
GLYOXALATION POLYACRYLAMIDE COMPOSITION STRENGTHENING AGENT	United States of America	Issued	10/785,403	Feb 25, 2004	7119148	Oct 10, 2006
GLYOXALATED POLYACRYLAMIDE COMPOSITIONS	Canada	Issued	2,498,021	Feb 23, 2005	2498021	Nov 12, 2013
GLYOXALATED POLYACRYLAMIDE COMPOSITIONS	Canada	Issued	2,827,964	Feb 23, 2005	2827964	May 3, 2016

ALDEHYDE SCAVENGERS FOR PREPARING TEMPORARY WET STRENGTH RESINS WITH LONGER SHELF LIFE	United States of America	Issued	10/919,487	Aug 17, 2004	7034087	Apr 25, 2006
BLENDS OF GLYOXALATED POLYACRYLAMIDES AND PAPER STRENGTHENING AGENTS	United States of America	Issued	10/919,488	Aug 17, 2004	7488403	Feb 10, 2009
BLENDS OF GLYOXALATED POLYACRYLAMIDES AND PAPER STRENGTHENING AGENTS	United States of America	Issued	12/275,619	Nov 21, 2008	7897013	Mar 1, 2011
BLENDS OF GLYOXALATED POLYACRYLAMIDES AND PAPER STRENGTHENING AGENTS	Germany	Issued	097611164	Nov 20, 2009	602009027091.5	Oct 8, 2014
BLENDS OF GLYOXALATED POLYACRYLAMIDES AND PAPER STRENGTHENING AGENTS	France	Issued	097611164	Nov 20, 2009	2358941	Oct 8, 2014
BLENDS OF GLYOXALATED POLYACRYLAMIDES AND PAPER STRENGTHENING AGENTS	United Kingdom	Issued	097611164	Nov 20, 2009	2358941	Oct 8, 2014
BLENDS OF GLYOXALATED POLYACRYLAMIDES AND PAPER STRENGTHENING AGENTS	Canada	Issued	2,744,334	Nov 20, 2009	2744334	Jun 21, 2016
BLENDS OF GLYOXALATED POLYACRYLAMIDES AND PAPER STRENGTHENING AGENTS	European Patent Office	Issued	097611164	Nov 20, 2009	2358941	Oct 8, 2014

GLYOXALATED INTER-COPOLYMERS WITH HIGH AND ADJUSTABLE CHARGE DENSITY	United States of America	Issued	11/136,730	May 25, 2005	7589153	Sep 15, 2009
POLYACRYLAMIDE-BASED STRENGTHENING AGENT	United States of America	Issued	11/613,758	Dec 20, 2006	7863395	Jan 4, 2011
POLYACRYLAMIDE-BASED STRENGTHENING AGENT	Canada	Issued	2,669,206	Nov 7, 2007	2669206	Jan 6, 2015
BLENDS OF ANIONIC COPOLYMERS SUITABLE FOR SURFACE SIZE AND METHODS OF MAKING THE SAME	United States of America	Issued	12/038,250	Feb 27, 2008	8557925	Oct 15, 2013
BLENDS OF ANIONIC COPOLYMERS SUITABLE FOR SURFACE SIZE AND METHODS OF MAKING THE SAME	Canada	Pending	2,679,740	Feb 29, 2008		
METHOD OF STABILIZING AQUEOUS CATIONIC POLYMERS	United States of America	Issued	11/830,426	Jul 30, 2007	7868071	Jan 11, 2011
METHOD OF STABILIZING AQUEOUS CATIONIC POLYMERS	Canada	Issued	2,695,007	Jul 28, 2008	2695007	May 20, 2014
METHOD OF STABILIZING AQUEOUS CATIONIC POLYMERS	European Patent Office	Pending	08796722.0	Jul 28, 2008		
METHOD OF STABILIZING AQUEOUS CATIONIC POLYMERS	Mexico	Issued	MX/A/10/000874	Jul 28, 2008	287802	Jun 27, 2011
POLYAMIDOAMINE-EPHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	United States of America	Issued	13/448,982	Apr 17, 2012	8785593	Jul 22, 2014

POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	Germany	Issued	12774682.4	Apr 17, 2012	602012030504.5	Mar 29, 2017
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	France	Issued	12774682.4	Apr 17, 2012	2699621	Mar 29, 2017
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	United Kingdom	Issued	12774682.4	Apr 17, 2012	2699621	Mar 29, 2017
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	Italy	Issued	12774682.4	Apr 17, 2012	502017000044557	Apr 24, 2017
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	Sweden	Issued	12774682.4	Apr 17, 2012	2699621	Mar 29, 2017
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	Brazil	Pending	BR 1120130269138	Apr 17, 2012		
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	Canada	Pending	2,833,349	Apr 17, 2012		
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	Chile	Pending	3032/2013	Apr 17, 2012	3032/13	

POLYAMIDOAMINE- EPHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	European Patent Office	Issued	12774682.4	Apr 17, 2012	2699621	Mar 29, 2017
POLYAMIDOAMINE- EPHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	Mexico	Pending	MX/a/2013/012319	Apr 17, 2012		
POLYAMIDOAMINE- EPHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	India	Pending	3025/KPLNP/2013	Oct 17, 2013		
WET STRENGTH TREATED PAPER AND PAPERBOARD	United States of America	Issued	14/326,515	Jul 9, 2014	9499944	Nov 22, 2016
THERMOSETTING CREPING ADHESIVE WITH REACTIVE MODIFIERS	United States of America	Issued	13/037,681	Mar 1, 2011	8246781	Aug 21, 2012
THERMOSETTING CREPING ADHESIVE WITH REACTIVE MODIFIERS	Canada	Issued	2,798,789	Mar 1, 2011	2798789	Feb 7, 2017
THERMOSETTING CREPING ADHESIVE WITH REACTIVE MODIFIERS	China	Issued	201180024895.7	Mar 1, 2011	201180024895.7	Jul 2, 2014
THERMOSETTING CREPING ADHESIVE WITH REACTIVE MODIFIERS	India	Pending	3189/KOLNP/2012	Mar 1, 2011		
THERMOSETTING CREPING ADHESIVE WITH REACTIVE MODIFIERS	Mexico	Pending	MX/a/2012/013060	Mar 1, 2011		
ADDITIVES WITH CLOUD POINTS TO IMPROVE EFFICIENCY OF RELEASE AGENTS	United States of America	Issued	14/135,440	Dec 19, 2013	9180644	Nov 10, 2015

ADDITIVES WITH CLOUD POINTS TO IMPROVE EFFICIENCY OF RELEASE AGENTS	Canada	Pending	2,897,187	Dec 19, 2013		
ADDITIVES WITH CLOUD POINTS TO IMPROVE EFFICIENCY OF RELEASE AGENTS	China	Issued	201380071195.2	Dec 19, 2013	ZL201380071195.2	May 10, 2017
ADDITIVES WITH CLOUD POINTS TO IMPROVE EFFICIENCY OF RELEASE AGENTS	India	Pending	2095/KOLNP/2015	Dec 19, 2013		
ADDITIVES WITH CLOUD POINTS TO IMPROVE EFFICIENCY OF RELEASE AGENTS	Mexico	Pending	MX/a/2015/008763	Dec 19, 2013		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	United States of America	In Preparation				
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	United States of America	Issued	13/944,923	Jul 18, 2013	9045862	Jun 2, 2015
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	Canada	Pending	2,879,669	Jul 18, 2013		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	China	Pending	201380046936.1	Jul 18, 2013		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	European Patent Office	Pending	13819897.3	Jul 18, 2013		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	India	Pending	153/KOLNP/2015	Jul 18, 2013		

HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	Mexico	Pending	MX/a/2015/000824	Jul 18, 2013		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	United States of America	Pending	14/725,403	May 29, 2015		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	United States of America	Allowed	14/725,384	May 29, 2015	9777436	Oct 3, 2017
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	PCT	Pending	PCT/US16/34884	May 27, 2016		
RESIN COMPOSITIONS AND METHODS FOR MAKING AND USING SAME	United States of America	Pending	14/884,723	Oct 15, 2015		
RESIN COMPOSITIONS AND METHODS FOR MAKING AND USING SAME	Canada	Pending	2,964,972	Oct 15, 2015		
RESIN COMPOSITIONS AND METHODS FOR MAKING AND USING SAME	European Patent Office	Pending	EP15850261.7	Oct 15, 2015		
RESIN COMPOSITIONS AND METHODS FOR MAKING AND USING SAME	India	Pending		Oct 15, 2015		
RESIN COMPOSITIONS AND METHODS FOR MAKING AND USING SAME	Mexico	Pending	MX/a/2017/004979	Oct 15, 2015		
BLENDS OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER	United States of America	Issued	14/108,492	Dec 17, 2013	8999110	Apr 7, 2015
BLENDS OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER	Canada	Pending	2,895,781	Dec 17, 2013	2895781	

BLEND OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER	India	Pending	1921/KOLNP/2015	Dec 17, 2013		
BLEND OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER	Mexico	Pending	MX/a/2015/008101	Dec 17, 2013		
BLEND OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER	United States of America	Issued	14/679,417	Apr 6, 2015	9506196	Nov 29, 2016
PAPER PRODUCTS CONTAINING A POLYMERIC WET STRENGTHENING AGENT	United States of America	Issued	14/679,442	Apr 6, 2015	9353483	May 31, 2016
BLEND OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER	United States of America	Pending	15/162,016	May 23, 2016		
GREASEPROOF PAPER WITH LOWER CONTENT OF FLUOROCHEMICALS	Chile	Pending	0914-2015	Oct 10, 2013		
GREASEPROOF PAPER WITH LOWER CONTENT OF FLUOROCHEMICALS	China	Pending	201380060001.9	Oct 10, 2013		
GREASEPROOF PAPER WITH LOWER CONTENT OF FLUOROCHEMICALS	India	Pending	1211/KOLNP/2015	Oct 10, 2013		
GREASEPROOF PAPER WITH LOWER CONTENT OF FLUOROCHEMICALS	Republic of Korea	Pending	2015-7011424	Oct 10, 2013		
GREASEPROOF PAPER WITH LOWER CONTENT OF FLUOROCHEMICALS	Mexico	Pending	MX/a/2015/004647	Oct 10, 2013		



WET STRENGTHENED FIBER PRODUCTS, WET STRENGTHENING RESINS, AND METHODS FOR MAKING AND USING SAME	United States of America	Issued	14/668,097	Mar 25, 2015	9695552	Jul 4, 2017
WET STRENGTHENED FIBER PRODUCTS, WET STRENGTHENING RESINS, AND METHODS FOR MAKING AND USING SAME	European Patent Office	Pending	15769072.8	Mar 25, 2015		
WET STRENGTHENED FIBER PRODUCTS, WET STRENGTHENING RESINS, AND METHODS FOR MAKING AND USING SAME	United States of America	Pending	15/634,615	Jun 27, 2017		
RELEASE AIDS WITH ADJUSTABLE CLOUD POINTS FOR CREPING PROCESSES	United States of America	Issued	14/576,789	Dec 19, 2014	9243365	Jan 26, 2016
RELEASE AIDS WITH ADJUSTABLE CLOUD POINTS FOR CREPING PROCESSES	Canada	Pending	2,934,689	Dec 19, 2014		
RELEASE AIDS WITH ADJUSTABLE CLOUD POINTS FOR CREPING PROCESSES	Mexico	Pending	MX/a/2016/008271	Dec 19, 2014		
CREPING ADHESIVES CONTAINING FUNCTIONALIZED CROSSLINKED RESINS	PCT	Pending	PCT/US16/38920	Jun 23, 2016		
CREPING ADHESIVES AND METHODS FOR MAKING AND USING SAME	United States of America	Issued	14/535,320	Nov 7, 2014	9611590	Apr 4, 2017
CREPING ADHESIVES AND METHODS FOR MAKING AND USING SAME	Canada	Pending	2,929,961	Nov 7, 2014		

CREPING ADHESIVES AND METHODS FOR MAKING AND USING SAME	European Patent Office	Pending	14859971.5	Nov 7, 2014		
CREPING ADHESIVES AND METHODS FOR MAKING AND USING SAME	Mexico	Pending	MX/a/2016/005923	Nov 7, 2014		
CREPING ADHESIVES AND METHODS FOR MAKING AND USING SAME	United States of America	Pending	15/478,203	Apr 3, 2017		
STRENGTHENING RESINS FOR PAPER PRODUCTS	United States of America	Issued	14/820,580	Aug 7, 2015	9689114	Jun 27, 2017
STRENGTHENING RESINS FOR PAPER PRODUCTS	United States of America	Pending	15/633,133	Jun 26, 2017		

Title	Country	Status	Application #	Date Filed	Patent #	Grant Date
WET STRENGTH AGENT FORMULATIONS AND PREPOLYMERS SUITABLE FOR USE IN THE MANUFACTURE OF ABSORBENT PAPER PRODUCTS	United States of America	Abandoned	08910638	Aug 13, 1997		
WET STRENGTH AGENT FORMULATIONS AND PREPOLYMERS SUITABLE FOR USE IN THE MANUFACTURE OF ABSORBENT PAPER PRODUCTS	United States of America	Abandoned	09018196	Feb 4, 1998		
WET STRENGTH AGENT FORMULATIONS AND PREPOLYMERS SUITABLE FOR USE IN THE MANUFACTURE OF ABSORBENT PAPER PRODUCTS	United States of America	Issued	09129304	Aug 5, 1998	6222006	Apr 24, 2001
STYRENE-ACRYLATE COPOLYMER COMPOSITION SUITABLE FOR SURFACE SIZE APPLICATION	United States of America	Pending	10097656	Mar 15, 2002		
STYRENE-ACRYLATE COPOLYMER COMPOSITION SUITABLE FOR SURFACE SIZE APPLICATION	Canada	Pending	2445957	Mar 6, 2003		
STYRENE-ACRYLATE COPOLYMER COMPOSITION SUITABLE FOR SURFACE SIZE APPLICATION	PCT	Pending	PCTUS0306622	Mar 6, 2003		
GLYOXALATION POLYACRYLAMIDE COMPOSITION STRENGTHENING AGENT	United States of America	Issued	10785403	Feb 25, 2004	7119148	Oct 10, 2006

ALDEHYDE-SCAVENGERS FOR PREPARING TEMPORARY WET STRENGTH RESINS WITH LONGER SHELF LIFE	United States of America	Issued	10919487	Aug 17, 2004	7034087	Apr 25, 2006
BLENDS OF GLYOXALATED POLYACRYLAMIDES AND PAPER STRENGTHENING AGENTS	United States of America	Issued	10919488	Aug 17, 2004	7488403	Feb 10, 2009
GLYOXALATED POLYACRYLAMIDE COMPOSITIONS	Canada	Issued	CA2827964	Feb 23, 2005	2827964	May 3, 2016
GLYOXALATED POLYACRYLAMIDE COMPOSITIONS	Canada	Issued	2498021	Feb 23, 2005	2498021	Nov 12, 2013
GLYOXALATED INTER-COPOLYMERS WITH HIGH AND ADJUSTABLE CHARGE DENSITY	United States of America	Issued	11136730	May 25, 2005	7589153	Sep 15, 2009
POLYACRYLAMIDE-BASED STRENGTHENING AGENT	United States of America	Issued	11613758	Dec 20, 2006	7863395	Jan 4, 2011
BLENDS OF ANIONIC COPOLYMERS SUITABLE FOR SURFACE SIZE AND METHODS OF MAKING THE SAME	United States of America	Pending	60892382	Mar 1, 2007		
METHOD OF STABILIZING AQUEOUS CATIONIC POLYMERS	United States of America	Issued	11830426	Jul 30, 2007	7868071	Jan 11, 2011
POLYACRYLAMIDE-BASED STRENGTHENING AGENT	Canada	Issued	2669206	Nov 7, 2007	2669206	Jan 6, 2015
POLYACRYLAMIDE-BASED STRENGTHENING AGENT	PCT	Pending	PCT/US0783856	Nov 7, 2007		
BLENDS OF ANIONIC COPOLYMERS SUITABLE FOR SURFACE SIZE AND METHODS OF MAKING THE SAME	United States of America	Issued	12038250	Feb 27, 2008	8557925	Oct 15, 2013
BLENDS OF ANIONIC COPOLYMERS SUITABLE FOR SURFACE SIZE AND METHODS OF MAKING THE SAME	Canada	Pending	2679740	Feb 29, 2008		

BLEND OF ANIONIC COPOLYMERS SUITABLE FOR SURFACE SIZE AND METHODS OF MAKING THE SAME	PCT	Pending	PCTUS0855413	Feb 29, 2008		
METHOD OF STABILIZING AQUEOUS CATIONIC POLYMERS	Canada	Issued	2695007	Jul 28, 2008	CA2695007A1	May 20, 2014
METHOD OF STABILIZING AQUEOUS CATIONIC POLYMERS	European Patent Office	Pending	087967220	Jul 28, 2008		
METHOD OF STABILIZING AQUEOUS CATIONIC POLYMERS	Mexico	Issued	MXA10000874	Jul 28, 2008	287802	Jun 27, 2011
METHOD OF STABILIZING AQUEOUS CATIONIC POLYMERS	PCT	Pending	PCTUS0871353	Jul 28, 2008		
BLEND OF GLYOXALATED POLYACRYLAMIDES AND PAPER STRENGTHENING AGENTS	United States of America	Issued	12275619	Nov 21, 2008	7897013	Mar 1, 2011
BLEND OF GLYOXALATED POLYACRYLAMIDES AND PAPER STRENGTHENING AGENTS	Canada	Issued	2744334	Nov 20, 2009	2744334	Jun 21, 2016
BLEND OF GLYOXALATED POLYACRYLAMIDES AND PAPER STRENGTHENING AGENTS	Germany	Issued	097611164	Nov 20, 2009	602009027091.5	Oct 8, 2014
BLEND OF GLYOXALATED POLYACRYLAMIDES AND PAPER STRENGTHENING AGENTS	European Patent Office	Issued	0907611164	Nov 20, 2009	2358941	Oct 8, 2014
BLEND OF GLYOXALATED POLYACRYLAMIDES AND PAPER STRENGTHENING AGENTS	France	Issued	0907611164	Nov 20, 2009	2358941	Oct 8, 2014
BLEND OF GLYOXALATED POLYACRYLAMIDES AND PAPER STRENGTHENING AGENTS	United Kingdom	Issued	0907611164	Nov 20, 2009	2358941	Oct 8, 2014

BLEND OF GLYOXALATED POLYACRYLAMIDES AND PAPER STRENGTHENING AGENTS	PCT	Expired	PCTUS0965343	Nov 20, 2009		
THERMOSETTING CREEPING ADHESIVE WITH REACTIVE MODIFIERS	United States of America	Pending	61346802	May 20, 2010		
THERMOSETTING CREEPING ADHESIVE WITH REACTIVE MODIFIERS	Canada	Issued	2798789	Mar 1, 2011	2798789	Feb 7, 2017
THERMOSETTING CREEPING ADHESIVE WITH REACTIVE MODIFIERS	China	Issued	2011800248957	Mar 1, 2011	201180024895.7	Jul 2, 2014
THERMOSETTING CREEPING ADHESIVE WITH REACTIVE MODIFIERS	India	Pending	3189KOLNP2012	Mar 1, 2011		
THERMOSETTING CREEPING ADHESIVE WITH REACTIVE MODIFIERS	Mexico	Issued	MXa2012013060	Mar 1, 2011	323999	Sep 29, 2014
THERMOSETTING CREEPING ADHESIVE WITH REACTIVE MODIFIERS	United States of America	Issued	13037681	Mar 1, 2011	8246781	Aug 21, 2012
THERMOSETTING CREEPING ADHESIVE WITH REACTIVE MODIFIERS	PCT	Pending	PCTUS1126625	Mar 1, 2011		
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	United States of America	Pending	61477679	Apr 21, 2011		
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	Brazil	Pending	BR1120130269138	Apr 17, 2012		
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	Canada	Pending	2833349	Apr 17, 2012		

POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	Chile	Pending	30322013	Apr 17, 2012		
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	Germany	Issued	127746824	Apr 17, 2012	602012030504.5	Mar 29, 2017
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	European Patent Office	Issued	127746824	Apr 17, 2012	2699621	Mar 29, 2017
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	France	Issued	127746824	Apr 17, 2012	2699621	Mar 29, 2017
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	United Kingdom	Issued	127746824	Apr 17, 2012	2699621	Mar 29, 2017
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	India	Pending	3025KPLNP2013	Apr 17, 2012		
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	Italy	Issued	127746824	Apr 17, 2012	502017000044557	Mar 29, 2017
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	Mexico	Unfiled		Apr 17, 2012		
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	Sweden	Issued	127746824	Apr 17, 2012	2699621	Mar 29, 2017
POLYAMIDOAMINE- EPIHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	United States of America	Issued	13448982	Apr 17, 2012	8785593	Jul 22, 2014

POLYAMIDODIAMINE- EPHALOHYDRIN RESINS, METHOD OF MANUFACTURE, AND USES THEREOF	PCT	Pending	PCT/US1233938	Apr 17, 2012		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	United States of America	Pending	61673534	Jul 19, 2012		
GREASEPROOF PAPER WITH LOWER CONTENT OF FLUROCHEMICALS	United States of America	Pending	61713346	Oct 12, 2012		
BLENDS OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER	United States of America	Pending	61739329	Dec 19, 2012		
ADDITIVES WITH CLOUD POINTS TO IMPROVE EFFICIENCY OF RELEASE AGENTS	United States of America	Pending	61748781	Jan 4, 2013		
WET STRENGTH TREATED PAPER AND PAPERBOARD	United States of America	Pending	61846855	Jul 16, 2013		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	Canada	Pending	2879669	Jul 18, 2013		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	China	Pending	2013800469361	Jul 18, 2013		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	European Patent Office	Pending	1308198973	Jul 18, 2013		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	India	Pending	153KOLNP2015	Jul 18, 2013		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	Mexico	Pending	MXa2015000824	Jul 18, 2013		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	United States of America	Issued	13944923	Jul 18, 2013	9045862	Jun 2, 2015



HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	PCT	Pending	PCTUS1351050	Jul 18, 2013		
GREASEPROOF PAPER WITH LOWER CONTENT OF FLUOROCHEMICALS	United States of America	Abandoned	14049337	Oct 9, 2013		
GREASEPROOF PAPER WITH LOWER CONTENT OF FLUOROCHEMICALS	Canada	Pending	2887362	Oct 10, 2013		
GREASEPROOF PAPER WITH LOWER CONTENT OF FLUOROCHEMICALS	Chile	Pending	09142015	Oct 10, 2013		
GREASEPROOF PAPER WITH LOWER CONTENT OF FLUOROCHEMICALS	China	Pending	2013800600019	Oct 10, 2013		
GREASEPROOF PAPER WITH LOWER CONTENT OF FLUOROCHEMICALS	European Patent Office	Pending	EP20130845970	Oct 10, 2013		
GREASEPROOF PAPER WITH LOWER CONTENT OF FLUOROCHEMICALS	India	Pending	1211KOLNP2015	Oct 10, 2013		
GREASEPROOF PAPER WITH LOWER CONTENT OF FLUOROCHEMICALS	Republic of Korea	Pending	20157011424	Oct 10, 2013		
GREASEPROOF PAPER WITH LOWER CONTENT OF FLUOROCHEMICALS	Mexico	Pending	MXa2015004647	Oct 10, 2013		
GREASEPROOF PAPER WITH LOWER CONTENT OF FLUOROCHEMICALS	PCT	Pending	PCTUS1364302	Oct 10, 2013		
CREPING ADHESIVES AND METHODS FOR MAKING AND USING SAME	United States of America	Pending	61901094	Nov 7, 2013		
BLENDS OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER	Canada	Pending	CA2895781	Dec 17, 2013		
BLENDS OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER	European Patent Office	Pending	130865351	Dec 17, 2013		

BLEND OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER	India	Pending	1921KOLNP2015	Dec 17, 2013		
BLEND OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER	Mexico	Pending	MXa2015008101	Dec 17, 2013		
BLEND OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER	United States of America	Pending	14108492	Dec 17, 2013		
BLEND OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER	PCT	Pending	PCTUS1375534	Dec 17, 2013		
ADDITIVES WITH CLOUD POINTS TO IMPROVE EFFICIENCY OF RELEASE AGENTS	Canada	Pending	2897187	Dec 19, 2013		
ADDITIVES WITH CLOUD POINTS TO IMPROVE EFFICIENCY OF RELEASE AGENTS	China	Issued	2013800711952	Dec 19, 2013	ZL201380071195.2	May 10, 2017
ADDITIVES WITH CLOUD POINTS TO IMPROVE EFFICIENCY OF RELEASE AGENTS	India	Pending	2095KOLNP2015	Dec 19, 2013		
ADDITIVES WITH CLOUD POINTS TO IMPROVE EFFICIENCY OF RELEASE AGENTS	Mexico	Pending	MXa2015008763	Dec 19, 2013		
ADDITIVES WITH CLOUD POINTS TO IMPROVE EFFICIENCY OF RELEASE AGENTS	United States of America	Issued	14135440	Dec 19, 2013	9180644	Nov 10, 2015
ADDITIVES WITH CLOUD POINTS TO IMPROVE EFFICIENCY OF RELEASE AGENTS	PCT	Pending	PCTUS1376718	Dec 19, 2013		
RELEASE AIDS WITH ADJUSTABLE CLOUD POINTS FOR CREPPING PROCESSES	United States of America	Pending	61918906	Dec 20, 2013		

WET STRENGTHENED FIBER PRODUCTS, WET STRENGTHENING RESINS, AND METHODS FOR MAKING AND USING SAME	United States of America	Pending	61970985	Mar 27, 2014		
WET STRENGTH TREATED PAPER AND PAPERBOARD	United States of America	Issued	14326515	Jul 9, 2014	9499944	Nov 22, 2016
WET STRENGTH TREATED PAPER AND PAPERBOARD	PCT	Pending	PCTUS1445843	Jul 9, 2014		
STRENGTHENING RESINS AND METHODS FOR MAKING AND USING SAME	United States of America	Pending	62034375	Aug 7, 2014		
RESIN COMPOSITIONS AND METHODS FOR MAKING AND USING SAME	United States of America	Pending	62064508	Oct 16, 2014		
CREPING ADHESIVES AND METHODS FOR MAKING AND USING SAME	Canada	Pending	2929961	Nov 7, 2014		
CREPING ADHESIVES AND METHODS FOR MAKING AND USING SAME	European Patent Office	Pending	148599715	Nov 7, 2014		
CREPING ADHESIVES AND METHODS FOR MAKING AND USING SAME	Mexico	Pending	MXa2016005923	Nov 7, 2014		
CREPING ADHESIVES AND METHODS FOR MAKING AND USING SAME	United States of America	Issued	14535320	Nov 7, 2014	9611590	Apr 4, 2017
CREPING ADHESIVES AND METHODS FOR MAKING AND USING SAME	PCT	Pending	PCTUS14064454	Nov 7, 2014		
RELEASE AIDS WITH ADJUSTABLE CLOUD POINTS FOR CREPING PROCESSES	Canada	Pending	2934689	Dec 19, 2014		
RELEASE AIDS WITH ADJUSTABLE CLOUD POINTS FOR CREPING PROCESSES	Mexico	Pending	MXa2016008271	Dec 19, 2014		

RELEASE AIDS WITH ADJUSTABLE CLOUD POINTS FOR CREPPING PROCESSES	United States of America	Issued	14576789	Dec 19, 2014	9243365	Jan 26, 2016
RELEASE AIDS WITH ADJUSTABLE CLOUD POINTS FOR CREPPING PROCESSES	PCT	Pending	PCTUS1471748	Dec 19, 2014		
WET STRENGTHENED FIBER PRODUCTS, WET STRENGTHENING RESINS, AND METHODS FOR MAKING AND USING SAME	European Patent Office	Pending	1507690728	Mar 25, 2015		
WET STRENGTHENED FIBER PRODUCTS, WET STRENGTHENING RESINS, AND METHODS FOR MAKING AND USING SAME	United States of America	Issued	14668097	Mar 25, 2015	9695552	Jul 4, 2017
WET STRENGTHENED FIBER PRODUCTS, WET STRENGTHENING RESINS, AND METHODS FOR MAKING AND USING SAME	PCT	Pending	PCTUS1522424	Mar 25, 2015		
BLENDS OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER	United States of America	Issued	14679417	Apr 6, 2015	9506196	Nov 29, 2016
BLENDS OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER	United States of America	Pending	14679442	Apr 6, 2015		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	United States of America	Allowed	14725403	May 29, 2015		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	United States of America	Issued	14725384	May 29, 2015	9777436	Oct 3, 2017
CREPPING ADHESIVES CONTAINING FUNCTIONALIZED CROSSLINKED RESINS	United States of America	Pending	62184452	Jun 25, 2015		

STRENGTHENING RESINS AND METHODS FOR MAKING AND USING SAME	United States of America	Issued	14820580	Aug 7, 2015	9689114	Jun 27, 2017
STRENGTHENING RESINS AND METHODS FOR MAKING AND USING SAME	PCT	Pending	PCTUS1544137	Aug 7, 2015		
CREPING ADHESIVES CONTAINING FUNCTIONALIZED CROSSLINKED RESINS	United States of America	Pending	62241453	Oct 14, 2015		
RESIN COMPOSITIONS AND METHODS FOR MAKING AND USING SAME	Canada	Pending	2964972	Oct 15, 2015		
RESIN COMPOSITIONS AND METHODS FOR MAKING AND USING SAME	European Patent Office	Pending	EP158502617	Oct 15, 2015		
RESIN COMPOSITIONS AND METHODS FOR MAKING AND USING SAME	India	Pending		Oct 15, 2015		
RESIN COMPOSITIONS AND METHODS FOR MAKING AND USING SAME	Mexico	Pending	MXa2017004979	Oct 15, 2015		
RESIN COMPOSITIONS AND METHODS FOR MAKING AND USING SAME	United States of America	Pending	14884723	Oct 15, 2015		
RESIN COMPOSITIONS AND METHODS FOR MAKING AND USING SAME	PCT	Pending	PCTUS1555834	Oct 15, 2015		
BLENDS OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER	United States of America	Issued	15162016	May 23, 2016	9834890	Dec 5, 2017
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSSLINKERS	Brazil	Pending	BR1120170255669	May 27, 2016		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSSLINKERS	Canada	Pending	2987852	May 27, 2016		

HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	Chile	Unfiled		May 27, 2016		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	China	Pending	2016800313427	May 27, 2016		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	Colombia	Pending	NC20170012280	May 27, 2016		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	European Patent Office	Pending	EP168041796	May 27, 2016		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	Indonesia	Pending	PID201708557	May 27, 2016		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	India	Pending	201717042711	May 27, 2016		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	Japan	Pending	201717042711	May 27, 2016		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	Republic of Korea	Pending	1020177034622	May 27, 2016		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	Mexico	Pending	MXa2017015378	May 27, 2016		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	Thailand	Pending	1701007077	May 27, 2016		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	PCT	Pending	PCTUS2016034884	May 27, 2016		
CREPING ADHESIVES CONTAINING FUNCTIONALIZED CROSSLINKED RESINS	Brazil	Unfiled		Jun 23, 2016		
CREPING ADHESIVES CONTAINING FUNCTIONALIZED CROSSLINKED RESINS	Canada	Pending	2990824	Jun 23, 2016		

CREPING ADHESIVES CONTAINING FUNCTIONALIZED CROSSLINKED RESINS	Chile	Pending	20173327	Jun 23, 2016		
CREPING ADHESIVES CONTAINING FUNCTIONALIZED CROSSLINKED RESINS	China	Pending		Jun 23, 2016		
CREPING ADHESIVES CONTAINING FUNCTIONALIZED CROSSLINKED RESINS	Colombia	Pending	NC20170013338	Jun 23, 2016		
CREPING ADHESIVES CONTAINING FUNCTIONALIZED CROSSLINKED RESINS	European Patent Office	Unfiled		Jun 23, 2016		
CREPING ADHESIVES CONTAINING FUNCTIONALIZED CROSSLINKED RESINS	Indonesia	Pending		Jun 23, 2016		
CREPING ADHESIVES CONTAINING FUNCTIONALIZED CROSSLINKED RESINS	India	Pending	201717046726	Jun 23, 2016		
CREPING ADHESIVES CONTAINING FUNCTIONALIZED CROSSLINKED RESINS	Japan	Pending	2017567160	Jun 23, 2016		
CREPING ADHESIVES CONTAINING FUNCTIONALIZED CROSSLINKED RESINS	Republic of Korea	Pending		Jun 23, 2016		
CREPING ADHESIVES CONTAINING FUNCTIONALIZED CROSSLINKED RESINS	Mexico	Pending	2017017137	Jun 23, 2016		
CREPING ADHESIVES CONTAINING FUNCTIONALIZED CROSSLINKED RESINS	Thailand	Pending	1701007752	Jun 23, 2016		
CREPING ADHESIVES CONTAINING FUNCTIONALIZED CROSSLINKED RESINS	United States of America	Pending	15738893	Jun 23, 2016		

CREPING ADHESIVES CONTAINING FUNCTIONALIZED CROSSLINKED RESINS	PCT	Pending	PCT/US1638920	Jun 23, 2016		
CREPING ADHESIVES AND METHODS FOR MAKING AND USING SAME	United States of America	Pending	15478203	Apr 3, 2017		
STRENGTHENING RESINS FOR PAPER PRODUCTS	United States of America	Pending	15633133	Jun 26, 2017		
WET STRENGTHENED FIBER PRODUCTS, WET STRENGTHENING RESINS, AND METHODS FOR MAKING AND USING SAME	United States of America	Pending	15634615	Jun 27, 2017		
HIGH EFFICIENCY WET STRENGTH RESINS FROM NEW CROSS-LINKERS	United States of America	Pending	15722944	Oct 2, 2017		
BLENDS OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER	United States of America	Pending	15831161	Dec 4, 2017		

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