

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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SUBMISSION TYPE:	RESUBMISSION	
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST	
RESUBMIT DOCUMENT ID:	504010144	
CONVEYING PARTY DATA		
Name		Execution Date
BARCLAYS BANK PLC, AS COLLATERAL AGENT		08/30/2016
RECEIVING PARTY DATA		
Name:	AXIALL CORPORATION	
Street Address:	1000 ABERNATHY ROAD NE, SUITE 1200	
City:	ATLANTA	
State/Country:	GEORGIA	
Postal Code:	30328	
Name:	ROYAL MOULDINGS LIMITED	
Street Address:	1000 ABERNATHY ROAD NE, SUITE 1200	
City:	ATLANTA	
State/Country:	GEORGIA	
Postal Code:	30328	
Name:	PLASTIC TRENDS, INC.	
Street Address:	56400 MOUND ROAD	
City:	SHELBY TOWNSHIP	
State/Country:	MICHIGAN	
Postal Code:	48316	
Name:	AXIALL OHIO, INC.	
Street Address:	115 PERIMETER CENTER PLACE, SUITE 460	
City:	ATLANTA	
State/Country:	GEORGIA	
Postal Code:	30346	
Name:	GEORGIA GULF CORPORATION	
Street Address:	115 PERIMETER CENTER PLACE, SUITE 460	
City:	ATLANTA	
State/Country:	GEORGIA	
Postal Code:	30346	
Name:	EXTERIOR PORTFOLIO, LLC	
Street Address:	1441 UNIVERSAL ROAD	

PATENT

City:	COLUMBUS
State/Country:	OHIO
Postal Code:	43207

PROPERTY NUMBERS Total: 114

Property Type	Number
Patent Number:	5681652
Patent Number:	5847016
Patent Number:	6167657
Patent Number:	5951927
Patent Number:	6253527
Patent Number:	6360489
Patent Number:	6962373
Patent Number:	8513340
Patent Number:	6321500
Patent Number:	6223488
Patent Number:	7204062
Patent Number:	7467500
Patent Number:	6865849
Patent Number:	7726092
Patent Number:	6988345
Patent Number:	7984597
Patent Number:	8225568
Patent Number:	7934352
Patent Number:	8555582
Patent Number:	8225567
Patent Number:	8006455
Patent Number:	7685787
Patent Number:	7790784
Patent Number:	5700578
Patent Number:	7186457
Patent Number:	8381472
Patent Number:	8795813
Patent Number:	6726864
Patent Number:	8336269
Patent Number:	5683749
Patent Number:	5612089
Patent Number:	5630930
Patent Number:	5731482

Property Type	Number
Patent Number:	5811605
Patent Number:	5851977
Patent Number:	6059944
Patent Number:	6153575
Patent Number:	6299939
Patent Number:	6296745
Patent Number:	6911558
Patent Number:	7390777
Patent Number:	7268262
Patent Number:	7329332
Patent Number:	7470827
Patent Number:	7618527
Patent Number:	7335806
Patent Number:	8038865
Patent Number:	7923036
Patent Number:	6298871
Patent Number:	7081232
Patent Number:	7465412
Patent Number:	7431863
Patent Number:	7857990
Patent Number:	8784620
Patent Number:	8460536
Patent Number:	8889930
Application Number:	14516612
Application Number:	13464066
Application Number:	13557203
Application Number:	14516615
Application Number:	14571346
Application Number:	13898539
Application Number:	13221391
Application Number:	61894539
Application Number:	61925714
Application Number:	61826433
Application Number:	14217595
Application Number:	61975023
Application Number:	61992932
Application Number:	62024655
Application Number:	14497363

Property Type	Number
Application Number:	14503942
Application Number:	14521449
Application Number:	62066939
Application Number:	62066941
Application Number:	14523991
Application Number:	14524061
Application Number:	14533945
Patent Number:	D476723
Patent Number:	D685080
Patent Number:	D450138
Patent Number:	D471292
Patent Number:	D448865
Patent Number:	D481804
Patent Number:	D685081
PCT Number:	US2014060252
Patent Number:	5334632
Patent Number:	5297685
Patent Number:	5538777
Patent Number:	5334633
Patent Number:	5508103
Patent Number:	5418067
Patent Number:	5795641
Patent Number:	5965075
Application Number:	61650102
PCT Number:	US2014070696
PCT Number:	US2014070717
Patent Number:	5567298
Patent Number:	5315052
Patent Number:	5382727
Patent Number:	5490390
Patent Number:	6544487
Patent Number:	6517727
Patent Number:	5427748
PCT Number:	US2011036011
Application Number:	61755062
Application Number:	61789786
Application Number:	61810391
PCT Number:	US2014012262

Property Type	Number
Application Number:	62067085
PCT Number:	US2014064223
PCT Number:	US2014064240
PCT Number:	US2014064476
Application Number:	14571320

CORRESPONDENCE DATA

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Correspondent Name: BELINDA J. SCRIMENTI

Address Line 1: 200 SOUTH WACKER DRIVE, SUITE 2900

Address Line 4: CHICAGO, ILLINOIS 60606-5896

NAME OF SUBMITTER:	BELINDA J. SCRIMENTI
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SIGNATURE:	/Belinda J. Scrimenti/
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DATE SIGNED:	09/23/2016
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Total Attachments: 22

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RELEASE OF PATENT COLLATERAL

This Release of PATENT Collateral is made and effective as of August 30, 2016, by BARCLAYS BANK PLC, in its capacity as Collateral Agent (herein so called) for the Secured Parties (as defined in the Security Agreement (as defined below)), for the benefit of AXIALL CORPORATION, ROYAL MOULDINGS LIMITED, PLASTIC TRENDS, INC., AXIALL OHIO, INC., GEORGIA GULF CORPORATION and EXTERIOR PORTFOLIO, LLC (each a “*Grantor*” and collectively, the “*Grantors*”). Capitalized terms used in this Release of Patent Collateral but not otherwise defined herein shall have the meanings specified in the Security Agreement unless otherwise stated.

RECITALS

A. In connection with that certain Credit Agreement dated as of February 27, 2015, by and among Axiall Holdco, Inc., Collateral Agent and certain lenders and other parties thereto, Grantors, together with other grantors, entered into that certain Pledge and Security Agreement dated as of February 27, 2015 (including all schedules thereto, as from time to time amended, restated, supplemented or otherwise modified, the “*Security Agreement*”);

B. Pursuant to the Security Agreement, Grantors executed a Patent Security Agreement dated as of February 27, 2015 in favor of Collateral Agent, in its capacity as collateral agent for the Secured Parties (including all schedules thereto, as from time to time amended, restated, supplemented or otherwise modified, the “*Patent Security Agreement*”) pursuant to which the Grantors granted to the Collateral Agent, for the benefit of the Secured Parties, a Lien on and security interest in all of Grantors’ right, title, and interest in, to, and under the Patent Collateral (as defined in the Patent Security Agreement), including, without limitation, the Patent Collateral set forth on ***Exhibit A*** attached hereto;

C. The Patent Security Agreement was recorded with the United States Patent and Trademark Office on March 3, 2015 at Reel/Frame Number 035121/0600;

D. The Collateral Agent agrees to release all Liens and security interests in, to and under the Patent Collateral that were granted by the Grantors under the Patent Security Agreement and the Security Agreement.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Collateral Agent, on its behalf and on behalf of the Secured Parties, hereby agrees as follows:

1. Release of Security Interest. Collateral Agent, solely in its capacity as collateral agent for the Secured Parties, hereby absolutely, unconditionally and irrevocably releases, terminates, and forever discharges all Liens and security interests it may have in, to and under the Patent Collateral, including, but not limited to, the Patent Collateral listed on ***Exhibit A*** attached hereto. Collateral Agent hereby acknowledges and confirms that any Liens and security interests in, to and under the Patent Collateral mortgaged, pledged, hypothecated or granted under the Security Agreement or the Patent Security Agreement have ceased without representation or warranty of any kind.

2. Further Acts. The Collateral Agent hereby authorizes and requests that this

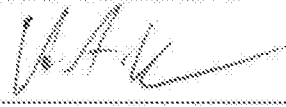
Release of Patent Collateral be recorded at the United States Patent and Trademark Office, or any other applicable location. The Collateral Agent shall take all further actions, and provide to each Grantor and its successors, assigns or other legal representatives, all such cooperation and assistance (including, without limitation, the execution and delivery of any and all documents or other instruments), reasonably requested by such Grantor, and at such Grantor's cost and expense, to more fully and effectively effectuate the purposes of this Release of Patent Collateral.

3. Governing Law. THIS RELEASE OF PATENT COLLATERAL AND ANY CLAIM, CONTROVERSY, DISPUTE OR CAUSE OF ACTION (WHETHER IN CONTRACT OR TORT OR OTHERWISE) BASED UPON, ARISING OUT OF OR RELATING TO THIS RELEASE OF PATENT COLLATERAL AND THE TRANSACTIONS CONTEMPLATED HEREBY SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAW OF THE STATE OF NEW YORK, WITHOUT REGARD TO CONFLICTS OF LAW PRINCIPLES THAT WOULD REQUIRE THE APPLICATION OF THE LAWS OF ANOTHER JURISDICTION.

[Signature Page to Follow]

EXECUTED as of the date first written above.

BARCLAYS BANK PLC, in its capacity as Collateral
Agent for the Secured Parties

By: 

Name: Vanessa A. Kurbatskiy

Title: Vice President

Exhibit A

Patent Registrations

GCC Patents:

	Country	Owner	Title	Appl. No.	Appl. Filing Date	Patent No.	Patent Issuance Date
1.	United States	Royal Mouldings Limited	Water-Reducible Coating Composition and Process of Use Thereof	08/012,707 (Expired)	2/3/1993	5,334,632	8/2/1994
2.	United States	Royal Mouldings Limited	Method and Apparatus for Displaying a Plurality of Articles	08/092,100 (Expired)	7/16/1993	5,297,685	3/29/1994
3.	United States	Royal Mouldings Limited	Triple Extruded Frame Profiles and Method of Producing Same	08/116,153 (Expired)	9/1/1993	5,538,777	7/23/1996
4.	United States	Royal Mouldings Limited	Composition for Coating Metal, Plastic and Wood Substrates to Impart Wood-Like Appearance and Texture Thereto	08/137,904 (Expired)	10/14/1993	5,334,633	8/2/1994
5.	United States	Royal Mouldings Limited	Composition for Coating Metal, Plastic and Wood Substrates to Impart Wood-Like Appearance and Texture Thereto	08/252,856 (Expired)	6/2/1994	5,418,067	5/23/1995
6.	United States	Royal Mouldings Limited	Extrusion Product with Decorative Enhancement and Process of Making the Same	08/377,175 (Expired)	1/30/1995	5,508,103	4/16/1996
7.	United States	Royal Mouldings Limited	Method and Die for Forming Triple Extruded Profiles	08/551,563 (Expired)	11/1/1995	5,795,641	8/18/1998
8.	United States	Royal Mouldings Limited	Extrusion Product with Decorative Enhancement and Process of Making the Same	08/627,876	4/3/1996	5,681,652	10/28/1997

	Country	Owner	Title	Appl. No.	Appl. Filing Date	Patent No.	Patent Issuance Date
9.	United States	Royal Mouldings Limited	Polymer and wood flour composite extrusion	08/748,201	11/12/1996	5,847,016	12/8/1998
10.	United States	Royal Mouldings Limited PLASTIC TRENDS, INC.	Weatherstrip Product Formed by Sequential Extrusion of Cellular and Non-Cellular Plastic Resins	08/959,914	10/29/1997	6,167,657	1/2/2001
11.	United States	Royal Mouldings Limited	POLYMER AND WOOD FLOUR COMPOSITE EXTRUSION	09/057,948	4/9/1998	5,951,927	9/14/1999
12.	United States	Royal Mouldings Limited	Triple Extruded Frame Profiles and Method of Producing Same	09/058,479 (Expired)	4/10/1998	5,965,075	10/12/1999
13.	United States	Royal Ecoproducts Limited	Process of Making Products from Recycled Material Containing Plastics	09/227,402	1/8/1999	6,253,527	7/3/2001
14.	United States	Royal Mouldings Limited	Weatherstrip Product Formed by Sequential Extrusion of Cellular and Non-Cellular Plastic Resins	09/675,738	9/29/2000	6,360,489	3/26/2002
15.	United States	PLASTIC TRENDS, INC.	PIPE FITTING WITH COMPOSITE GASKET ASSEMBLY	10/313,298	12/6/2002	6,962,373	11/8/2005
16.	United States	GEORGIA GULF CORPORATION	Method of Reducing Chatter	13/082,885	4/8/2011	8,513,340	08/20/2013
17.	United States	Royal Mouldings Limited	Method of Making a Decorated Extruded Profile	13/464,066	5/4/2012		
18.	United States	PLASTIC TRENDS, INC.	MANUALLY REMOVABLE PIPE PLUG	29/170,252	11/1/2002	D476,723	7/1/2003
19.	United States	Royal Mouldings Limited	SLIDING JOINERY	61/650,102 (Expired)	5/22/2012		
20.	United States	Royal Mouldings Limited	SLIDING JOINERY	13/898,539	5/21/2013		

	Country	Owner	Title	Appl. No.	Appl. Filing Date	Patent No.	Patent Issuance Date
21.	Canada	Royal Mouldings Limited	SIDING JOINERY	2816294	5/21/2013		
22.	Canada	Royal Mouldings Inc.	"Water-Reducible Coating Composition and Process of Use Thereof"	612951	25-Sep-1989	1,338,992	11-Mar-1997
23.	Canada	Royal Mouldings Inc.	"Water-Reducible Coating Composition and Process of Use Thereof"	1,339,588	25-Sep-1989	1,339,588	16-Dec-1997
24.	Canada	Royal Mouldings Limited	"Extrusion Product with Decorative Enhancement and Process of Making the Same"	2,162,796	14-Nov-1995	2,162,796	25-Jul-2000
25.	Canada	Royal Mouldings Limited	"Profiles, Die and Method for Producing Same"	2,170,776	11-Aug-1994	2,170,776	13-Jul-2004
26.	Canada	Royal Mouldings Limited	"POLYMER AND WOOD FLOUR COMPOSITE EXTRUSION"	2,196,635	03-Feb-1997	2,196,635	03-Jun-2008
27.	Canada	Royal Mouldings Limited	"WEATHERSTRIP PRODUCT FORMED BY SEQUENTIAL EXTRUSION OF CELLULAR AND NON-CELLULAR PLASTIC RESINS"	2,219,735	30-Oct-1997	2,219,735	03-Jan-2006
28.	Canada	Royal Plastics Inc.	"Egress Window Lock"	2,236,497	01-May-1998	2,236,497	17-Aug-2004
29.	Canada	Royal Plastics Inc.	"Sliding Window Seal"	2,241,680	26-Jun-1998	2,241,680	15-Nov-2005
30.	Canada	PLASTIC TRENDS, INC./ADVANCED ELASTOMER SYSTEMS, L.P.	PIPE FITTING WITH COMPOSITE GASKET ASSEMBLY	2,549,317	12/4/2003	2,549,317	10/11/2011

	Country	Owner	Title	Appl. No.	Appl. Filing Date	Patent No.	Patent Issuance Date
31.	Canada	PLASTIC TRENDS, INC./ ADVANCED ELASTOMER SYSTEMS, L.P.	PIPE FITTING WITH COMPOSITE GASKET ASSEMBLY	2,544,540	4/21/2006		
32.	Canada	Royal Mouldings Limited	"Reinforced Louver Blade"	2,625,180	11-Mar-2008		
33.	Canada	PLASTIC TRENDS, INC.	PIPE FITTING WITH TABS	2,644,825	11/26/2008		
34.	United States	Exterior Portfolio, LLC	REINFORCED VINYL SIDING	09/111,107	7/6/1998	6,321,500	11/27/2001
35.	United States	Exterior Portfolio, LLC	VENTED SIDING	09/456,637	12/9/1999	6,223,488	5/1/2001
36.	United States	Exterior Portfolio, LLC	STRAIGHT FACE, FOAM-BACKED, VINYL SIDING PANEL	29/133,077	11/20/2000	D450,138	11/6/2001
37.	United States	Exterior Portfolio, LLC	STRAIGHT FACE VINYL SIDING	09/751,185	12/29/2000	7,204,062	4/17/2007
38.	Great Britain	Exterior Portfolio, LLC	STRAIGHT FACE, FOAM-BACKED, VINYL SIDING PANEL	2101944	5/21/2001	2101944	8/16/2001
39.	Germany	Exterior Portfolio, LLC	STRAIGHT FACE, FOAM-BACKED, VINYL SIDING PANEL	40104760.1	5/21/2001	40104760.1	5/21/2001
40.	United States	Exterior Portfolio, LLC	STRAIGHT FACE, FOAM-BACKED, VINYL SIDING PANEL	29/154,569	1/24/2002	D471,292	3/4/2003
41.	United States	Exterior Portfolio, LLC	STRAIGHT FACE SIDING	11/690,689	3/23/2007	7,467,500	12/23/2008
42.	United States	Exterior Portfolio, LLC	FOAM-BACKED, VINYL SIDING PANEL	29/133,050	11/21/2000	D448,865	10/2/2001

	Country	Owner	Title	Appl. No.	Appl. Filing Date	Patent No.	Patent Issuance Date
43.	United States	Exterior Portfolio, LLC	TOP COURSE MOLDING	10/350,519	1/24/2003	6,865,849	3/15/2005
44.	United States	Exterior Portfolio, LLC	WINDOW SILL AND TRIM CORNER ASSEMBLY	10/963,989	10/12/2004	7,726,092	6/1/2010
45.	United States	Exterior Portfolio, LLC	TRIM FOR SIDING AND SIDING ACCESSORIES	29/173,276	12/24/2002	D481,804	11/4/2003
46.	United States	Exterior Portfolio, LLC	LINEAL	11/101,123	4/7/2005	6,988,345	1/24/2006
47.	United States	Exterior Portfolio, LLC	VINYL SIDING	10/282,757	10/29/2002	7,984,597	7/26/2011
48.	United States	Exterior Portfolio, LLC	BACKED BUILDING STRUCTURE PANEL HAVING GROOVED OR RIBBED SURFACE	11/234,073	9/23/2005	8,336,269	12/25/2012
49.	United States	Exterior Portfolio, LLC	BACKED BUILDING STRUCTURE PANEL HAVING GROOVED OR RIBBED SURFACE	11/745,955	5/8/2007	8,225,568	7/24/2012
50.	United States	Exterior Portfolio, LLC	GROOVED FOAM BACKED PANELS	11/953,848	12/10/2007	7,934,352	5/3/2011
51.	United States	Exterior Portfolio, LLC	GROOVED AND RIBBED BACKED PANELS	13/557,187	7/24/2012	8555582	10/15/2013
52.	United States	Exterior Portfolio, LLC	SIDING HAVING BACKER WITH FEATURES FOR DRAINAGE, VENTILATION, AND RECEIVING ADHESIVE	11/320,169	12/28/2005	8,225,567	7/24/2012
53.	United States	Exterior Portfolio, LLC	SIDING HAVING BACKER	13/557,203	7/24/2012		

	Country	Owner	Title	Appl. No.	Appl. Filing Date	Patent No.	Patent Issuance Date
54.	United States	Exterior Portfolio, LLC	BACKED PANEL AND SYSTEM FOR CONNECTING BACKED PANELS	11/233,929	9/23/2005	8,006,455	8/30/2011
55.	United States	Exterior Portfolio, LLC	BACKED PANEL AND SYSTEM FOR CONNECTING BACKED PANELS	13/221,391	8/30/2011		
56.	United States	Exterior Portfolio, LLC	SYSTEM AND METHOD FOR LEVELLING OR ALIGNMENT OF PANELS	11/617,704	12/28/2006	7,685,787	3/30/2010
57.	United States	Exterior Portfolio, LLC	COMPOSITION OF MATTER	12/057,173	3/27/2008	7,790,784	9/7/2010
58.	United States	Exterior Portfolio, LLC	FLUOROPOLYMER/TERPOLYMER COMPOSITE	08/494,378	6/26/1995	5,700,578	12/23/1997
59.	United States	Exterior Portfolio, LLC	CELLULOSIC COMPOSITE COMPONENT	10/307,083	11/27/2002	7,186,457	3/6/2007
60.	United States	Exterior Portfolio, LLC	SYSTEM AND METHOD FOR ADJOINING SIDING	12/818,136	6/17/2010	8381472	2/26/2013
61.	United States	Exterior Portfolio, LLC	RIBBED BACKED PANELS	13/032,319	2/22/2011	8795813	8/5/2014
62.	Canada	Exterior Portfolio, LLC	RIBBED BACKED PANELS	2,740,502	5/17/2011		
63.	United States	Exterior Portfolio, LLC	SIMULATED STONE TEXTURE PROCESS	10/037,189	11/9/2001	6,726,864	4/27/2004
64.	United States	Georgia Gulf Corporation	METHOD OF REDUCING CHATTER	13/082,885	4/8/2011	8513340	2/2/2012
65.	Canada	Axiall Corporation	High Efficiency Polymer Composition	2,867,811	10/17/2014		
66.	Mexico	Axiall Corporation	High Efficiency Polymer Composition	MX/a/2014/012645	10/17/2014		

	Country	Owner	Title	Appl. No.	Appl. Filing Date	Patent No.	Patent Issuance Date
67.	United States	Axiall Corporation	High Efficiency Polymer Composition	14/516,612	10/17/2014		
68.	Canada	Axiall Corporation	calcium treatment of ALKYL-TIN STABILIZERS	2867806	10/17/2014		
69.	Mexico	Axiall Corporation	calcium treatment of ALKYL-TIN STABILIZERS	MX/a/2014/012644	10/17/2014		
70.	United States	Axiall Corporation	calcium treatment of ALKYL-TIN STABILIZERS	14/516,615	10/17/2014		
71.	United States	Royal Mouldings Limited	WEATHERSTRIP PRODUCT FORMED BY SEQUENTIAL EXTRUSION OF CELLULAR AND NON-CELLULAR PLASTIC RESINS	08/959914	10/29/1997	6167657	01/02/2001
72.	Canada	Exterior Portfolio, LLC	SIMULATED STONE TEXTURE PROCESS	2382900	404/22/200 2	2382900	08/07/2007
73.	Canada	Exterior Portfolio, LLC	SIDING PANEL	96829	05/18/2001	96829	08/15/2002
74.	United States	Exterior Portfolio, LLC	SIDING HAVING FACING AND BACKING PORTION WITH GROOVED AND RIBBED BACKING PORTION SURFACE	11/234073	09/23/2005	8336269	12/25/2012
75.	United States	Exterior Portfolio, LLC	FLOUROPOLYMER/TERPOL YMER COMPOSITE	08/494378	06/26/1995	5700578	12/23/1997

	Country	Owner	Title	Appl. No.	Appl. Filing Date	Patent No.	Patent Issuance Date
76.	United States	Axiall Corporation	Chemical Feeder	14/571,320	12/16/2014		
77.	United States	Axiall Corporation	Chemical Feeder	14/571,346	12/16/2014		
78.	Patent Cooperation Treaty	Axiall Corporation	Chemical Feeder	PCT/US2014/070696	12/17/2014		
79.	Patent Cooperation Treaty	Axiall Corporation	Chemical Feeder	PCT/US2014/070717	12/17/2014		

PPG Patents

	Country	Owner	Title	Appl. No.	Appl. Filing Date	Patent No.	Patent Issue Date
1.	United States	Axiall Ohio, Inc.	METHOD FOR PREPARING ASBESTOS-FREE CHLOR-ALKALI DIAPHRAGM	08/781551	01/09/1997	5683749	11/04/1997
2.	Germany	Axiall Ohio, Inc.	METHOD FOR PREPARING DIAPHRAGM FOR USE IN CHLOR-ALKALI CELLS	96925424.2 (Abandoned)	07/23/1996	69617437.5	11/28/2001
3.	European Patent Convention	PPG Industries, Inc.	METHOD FOR PREPARING DIAPHRAGM FOR USE IN CHLOR-ALKALI CELLS	96925424.2	07/23/1996	0841991	11/28/2001
4.	United States	Axiall Ohio, Inc.	METHOD FOR PREPARING DIAPHRAGM FOR USE IN CHLOR-ALKALI CELLS	08/507174	07/26/1995	5612089	03/18/1997
5.	Germany	Axiall Ohio, Inc.	METHOD FOR STARTING A CHLOR-ALKALI DIAPHRAGM CELL	96926757.4	07/23/1996	69622188.8	07/03/2002
6.	European Patent Convention	PPG Industries, Inc.	METHOD FOR STARTING A CHLOR-ALKALI DIAPHRAGM CELL	96926757.4	07/23/1996	0865517	07/03/2002
7.	United States	Axiall Ohio, Inc.	METHOD FOR STARTING A CHLOR-ALKALI DIAPHRAGM CELL	08/507173	07/26/1995	5630930	05/20/1997
8.	United States	Axiall Ohio, Inc.	METHOD FOR PURIFYING PERCHLOROETHYLENE CONTAINING DICHLOROBUTADIENE	08/778932	01/03/1997	5731482	03/24/1998
9.	United States	Axiall Ohio, Inc.	PREPARATION OF 1,2,3,3-TETRACHLOROPROPENE	08/802704	02/19/1997	5811605	09/22/1998
10.	United States	Axiall Ohio, Inc.	NONFLAMMABLE ORGANIC SOLVENT COMPOSITIONS	08/920098	08/26/1997	5851977	12/22/1998

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11.	United States	Axiall Ohio, Inc.	DIAPHRAGM FOR ELECTROLYTIC CELL	09/124441	07/29/1998	6059944	05/09/2000
12.	United States	Axiall Ohio, Inc.	STORAGE STABILIZED 1,2-DICHLOROETHYLENE COMPOSITIONS	09/519291	03/06/2000	6153575	11/28/2000
13.	France	Axiall Ohio, Inc.	METHOD OF PREPARING A DIAPHRAGM FOR AN ELECTROLYTIC CELL	0105628 (Abandoned)	04/26/2001	2808289	06/25/2004
14.	United States	Axiall Ohio, Inc.	METHOD OF PREPARING A DIAPHRAGM FOR AN ELECTROLYTIC CELL	09/560599	04/28/2000	6299939B1	10/09/2001
15.	France	Axiall Ohio, Inc.	METHOD OF OPERATING CHLOR-ALKALI ELECTROLYTIC CELLS	0105629 (Abandoned)	04/26/2001	2808290	10/17/2003
16.	United States	Axiall Ohio, Inc.	METHOD OF OPERATING CHLOR-ALKALI ELECTROLYTIC CELLS	09/560598	04/28/2000	6296745B1	10/02/2001
17.	United States	Axiall Ohio, Inc.	METHOD FOR PURIFYING CHLOROMETHYL CHLOROFORMATE	10/358593	02/05/2003	6911558B2	06/28/2005
18.	United States	Axiall Ohio, Inc.	1,2-DICHLOROETHYLENE COMPOSITIONS	10/780449	02/13/2004	7390777	06/24/2008
19.	United States	Axiall Ohio, Inc.	METHOD FOR RECOVERING TRANS-1,2-DICHLOROETHENE	10/834408	04/29/2004	7268262B2	09/11/2007
20.	United States	Axiall Ohio, Inc.	DIAPHRAGM FOR ELECTROLYTIC CELL	11/184967	07/20/2005	7329332	02/12/2008
21.	United States	Axiall Ohio, Inc.	METHOD FOR PRODUCTION OF VINYLIDENE CHLORIDE	11/913803	06/03/2005	7470827	12/30/2008
22.	Canada	Eagle Controlled 2 Ohio Spinco, Inc.	METHOD OF OPERATING A DIAPHRAGM ELECTROLYTIC CELL	2620277 (Abandoned)	07/14/2006	2620277	05/03/2011

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23.	United States	Axiall Ohio, Inc.	METHOD OF OPERATING A DIAPHRAGM ELECTROLYTIC CELL	11/216492	08/31/2005	7618527	11/17/2009
24.	United States	Axiall Ohio, Inc.	INTEGRATED PROCESS FOR PRODUCING 1,2-DICHLOROETHYLENE	11/353349	02/14/2006	7335806	02/26/2008
25.	United States	Axiall Ohio, Inc.	DIAPHRAGM FOR ELECTROLYTIC CELL	12/117807	05/09/2008	8038865	10/18/2011
26.	United States	Axiall Ohio, Inc.	METHOD OF OPERATING CHLOR-ALKALI CELLS	07/841898 (Expired on 10/22/2013)	02/25/1992	5567298	10/22/1996
27.	United States	Axiall Ohio, Inc.	CONCURRENT PRODUCTION OF TRICHLOROETHANE ISOMERS	08/055498 (Expired on 04/29/2013)	04/29/1993	5315052	05/24/1994
28.	United States	Axiall Ohio, Inc.	CONCURRENT PRODUCTION OF TRICHLOROETHANE ISOMERS	08/204573 (Expired 4/29/2013)	03/01/1994	5382727	01/17/1995
29.	United States	Axiall Ohio, Inc.	LIQUEFACTION OF CHLORINE OR OTHER SUBSTANCES	08/242809 (Expired 5/13/2014)	05/13/1994	5490390	02/13/1996
30.	United States	Axiall Ohio, Inc.	HALOGEN-CONTAINING SANITIZING COMPOSITION	12/241216	09/30/2008	7923036	04/12/2011
31.	United States	Axiall Ohio, Inc.	CHEMICAL FEEDER	09/199311 (Abandoned)	11/25/1998	6544487B1	04/08/2003
32.	Canada	Axiall Ohio, Inc.	CHEMICAL FEEDER	2431026	12/10/2001	2431026	02/03/2009
33.	Mexico	Axiall Ohio, Inc.	CHEMICAL FEEDER	PA/a/2003/0052 94	12/10/2001	250469	10/17/2007
34.	United States	Axiall Ohio, Inc.	CHEMICAL FEEDER	09/738179	12/15/2000	6298871B1	10/09/2001

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35.	United States	Axiall Ohio, Inc.	METHOD OF OPERATING A CHEMICAL FEEDER	09/891939 (Abandoned)	06/26/2001	6517727B2	02/11/2003
36.	United States	Axiall Ohio, Inc.	CHEMICAL FEEDER	10/098949	03/15/2002	7081232B1	07/25/2006
37.	United States	Axiall Ohio, Inc.	CALCIUM HYPOCHLORITE COMPOSITION	11/065231	02/24/2005	7465412	12/16/2008
38.	Canada	Axiall Ohio, Inc.	CALCIUM HYPOCHLORITE COMPOSITION	2581265	03/07/2007	2581265	12/21/2010
39.	United States	Axiall Ohio, Inc.	CALCIUM HYPOCHLORITE COMPOSITION	11/370338	03/08/2006	7431863	10/07/2008
40.	Canada	Axiall Ohio, Inc.	CALCIUM HYPOCHLORITE COMPOSITION	2602982	09/19/2007	2602982	02/28/2012
41.	United States	Axiall Ohio, Inc.	CALCIUM HYPOCHLORITE COMPOSITION	11/847724	08/30/2007	7857990	12/28/2010
42.	Canada	Axiall Ohio, Inc.	CHEMICAL FEEDER	2188461	04/20/1995	2188461	08/24/1999
43.	European Patent Convention	Eagle Controlled 2 Ohio Spino, Inc.	CHEMICAL FEEDER	95917563.9 (Abandoned)	04/20/1995	0756509	06/09/1999
44.	Mexico	Axiall Ohio, Inc.	CHEMICAL FEEDER	964973	04/20/1995	236499	05/03/2006
45.	United States	Axiall Ohio, Inc.	CHEMICAL FEEDER	08/231005 (Expired on 4/21/2014)	04/21/1994	5427748	06/27/1995
46.	United States	Axiall Ohio, Inc.	METHOD OF OPERATING A DIAPHRAGM ELECTROLYTIC CELL	13/104086	05/10/2011	8,784,620	07/22/2014
47.	Patent Cooperation Treaty	PPG Industries Ohio, Inc.	METHOD OF OPERATING A DIAPHRAGM ELECTROLYTIC CELL	PCT/US11/36 011	05/11/2011	N/A	

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48.	Germany	Axiall Ohio, Inc.	METHOD OF PREPARING A DIAPHRAGM FOR AN ELECTROLYTIC CELL	10119287.8	04/20/2001	N/A	
49.	Germany	Axiall Ohio, Inc.	METHOD OF OPERATING CHLOR-ALKALI ELECTROLYTIC CELLS	10119285.1	04/20/2001	10119285	10/25/2012
50.	European Patent Convention	PPG Industries Ohio, Inc.	METHOD FOR PURIFYING CHLOROMETHYL CHLOROFORMATE	04707091.7 (Abandoned)	01/30/2004	N/A	
51.	Germany	Eagle Controlled 2 Ohio Spino. Inc.	1,2-DICHLOROETHYLENE COMPOSITIONS	05722889.2 (Abandoned)	02/10/2005	6020050352 72.4	07/25/2012
52.	European Patent Convention	Axiall Ohio, Inc.	1,2-DICHLOROETHYLENE COMPOSITIONS	05722889.2 (Abandoned)	02/10/2005	1713956	07/25/2012
53.	Spain	Axiall Ohio, Inc.	1,2-DICHLOROETHYLENE COMPOSITIONS	05722889.2 (Abandoned)	02/10/2005	1713956	07/25/2012
54.	France	Axiall Ohio, Inc.	1,2-DICHLOROETHYLENE COMPOSITIONS	05722889.2 (Abandoned)	02/10/2005	1713956	07/25/2012
55.	United Kingdom	Axiall Ohio, Inc.	1,2-DICHLOROETHYLENE COMPOSITIONS	05722889.2 (Abandoned)	02/10/2005	1713956	07/25/2012
56.	Italy	Axiall Ohio, Inc.	1,2-DICHLOROETHYLENE COMPOSITIONS	05722889.2 (Abandoned)	02/10/2005	1713956	07/25/2012
57.	Netherlands	Axiall Ohio, Inc.	1,2-DICHLOROETHYLENE COMPOSITIONS	05722889.2 (Abandoned)	02/10/2005	1713956	07/25/2012
58.	European Patent Convention	Axiall Ohio, Inc.	METHOD OF OPERATING A DIAPHRAGM ELECTROLYTIC CELL	06847451.9	09/07/2006	N/A	

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59.	Mexico	Axiall Ohio, Inc.	METHOD OF OPERATING A DIAPHRAGM ELECTROLYTIC CELL	MX/a/2008/0029 28	09/07/2006	290616	09/29/2011
60.	European Patent Convention	Axiall Ohio, Inc.	DIAPHRAGM FOR ELECTROLYTIC CELL	07718312.7	01/16/2007	N/A	
61.	Mexico	Axiall Ohio, Inc.	DIAPHRAGM FOR ELECTROLYTIC CELL	08/09256	01/16/2007	309078	04/25/2013
62.	United States	Axiall Ohio, Inc.	DIAPHRAGM FOR ELECTROLYTIC CELL	11/334907	01/19/2006	8,460,536	06/11/2013
63.	Canada	Axiall Ohio, Inc.	DIAPHRAGM OR ELECTROLYTIC CELL	2683955 (Abandoned)	05/12/2008	2683955	12/18/2012
64.	European Patent Convention	Axiall Ohio, Inc.	DIAPHRAGM OR ELECTROLYTIC CELL	08755273.3	05/12/2008	N/A	
65.	Mexico	Axiall Ohio, Inc.	DIAPHRAGM OR ELECTROLYTIC CELL	09/11907	05/12/2008	306290	12/14/2012
66.	United States	Axiall Ohio, Inc.	CALCIUM HYPOCHLORITE COMPOSITIONS	12/551591	09/01/2009	7923036	09/04/2012
67.	United States	Axiall Ohio, Inc.	CALCIUM HYPOCHLORITE TABLET	29/397210	07/13/2011	D685,080	06/25/2013
68.	United States	Axiall Ohio, Inc.	CALCIUM HYPOCHLORITE TABLET	29/404133	10/17/2011	D685,081	06/25/2013
69.	Canada	Axiall Ohio, Inc.	METHOD OF OPERATING A DIAPHRAGM ELECTROLYTIC CELL	2799002	05/11/2011	N/A	N/A

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70.	European Patent Convention	Axiall Ohio, Inc.	METHOD OF OPERATING A DIAPHRAGM ELECTROLYTIC CELL	11/720948.6	11/21/2012	N/A	N/A
71.	Mexico	Axiall Ohio, Inc.	METHOD OF OPERATING A DIAPHRAGM ELECTROLYTIC CELL	12/013224	05/11/2011	322835	08/14/2014
72.	United States	Axiall Ohio, Inc.	PROCESS FOR PRODUCING CHLORINATED HYDROCARBONS	61/755062 (Expired)	01/22/2013	N/A	N/A
73.	Germany	Axiall Ohio, Inc.	Method for Starting a Chlor-Alkali Diaphragm Cell	96926757.4	07/23/1996	69622188.8	07/03/2002
74.	Brazil	PPG Industries Ohio, Inc.	Method of Operating a Diaphragm Electrolytic Cell	BR11201202888.22	05/11/2011		
75.	United States	Axiall Ohio, Inc.	Process for Producing Chlorinated Hydrocarbons	61/789,786 (Expired)	03/15/2013		
76.	United States	Axiall Ohio, Inc.	Acid Tablet Composition	61/810,391 (Expired)	04/20/2013		
77.	United States	Axiall Ohio, Inc.	Process for Producing Chlorinated Hydrocarbons	14/060,957	10/23/2013	8,889,930	11/18/2014
78.	United States	Axiall Ohio, Inc.	Process for Producing Chlorinated Hydrocarbons	61/789,786 (Expired)	03/15/2013		
79.	United States	Axiall Ohio, Inc.	Acid Tablet Composition	61/810,391 (Expired)	04/20/2013		
80.	United States	Axiall Ohio, Inc.	Process for Producing Chlorinated Hydrocarbons	14/060,957	10/23/2013	8,889,930	11/18/2014
81.	United States	Axiall Ohio, Inc.	Process for Producing Chlorinated Hydrocarbons in the Presence of a Polyvalent Bismuth Compound	61/894,539	10/23/2013		

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82.	United States	Axiall Ohio, Inc.	Chemical Feeder	61/925,714	10/23/2013		
83.	United States	Axiall Ohio, Inc.	Chemical Feeder	61/826,433	01/10/2014		
84.	Patent Cooperation Treaty	Axiall Ohio, Inc.	Process for Producing Chlorinated Hydrocarbons	PCT/US2014/01 2262	01/13/2014		
85.	United States	Axiall Ohio, Inc.	Acid Tablet Composition	14/217,595	01/21/2014		
86.	United States	Axiall Ohio, Inc.	Chemical Feeder	61/975,023	04/04/2014		
87.	United States	Axiall Ohio, Inc.	Chemical Feeder	61/992,932	05/14/2014		
88.	United States	Axiall Ohio, Inc.	Chemical Feeder	62/024,655	07/15/2014		
89.	United States	Axiall Ohio, Inc.	Process for Producing Chlorinated Hydrocarbons in the Presence of a Polyvalent Bismuth Compound	14/497,363	09/26/2014		
90.	United States	Axiall Ohio, Inc.	Process for Producing Chlorinated Hydrocarbons	14/503,942	10/1/2014		
91.	United States	Axiall Ohio, Inc.	Process for Producing Chlorinated Hydrocarbons in the Presence of a Polyvalent Bismuth Compound	PCT/US2014/06 0252	10/13/2014		
92.	United States	Axiall Ohio, Inc.	Processes for Producing Chlorinated Hydrocarbons and Methods for Recovering Polyvalent Antimony Catalysts Therefrom	14/521,449	10/22/2014		

	Country	Owner	Title	Appl. No.	Appl. Filing Date	Patent No.	Patent Issue Date
93.	United States	Axiall Ohio, Inc.	Process for Producing Chlorinated Hydrocarbons in the Presence of a Polyvalent Molybdenum Compound	62/066,939	10/22/2014		
94.	United States	Axiall Ohio, Inc.	Methods for Producing Halogenated Hydrocarbons Using Free Radical Inhibitors	62/066,941	10/22/2014		
95.	United States	Axiall Ohio, Inc.	Stabilization of Chlorinated Olefins	62/067,085	10/22/2014		
96.	United States	Axiall Ohio, Inc.	Chemical Feeder	14/523,991	10/27/2014		
97.	United States	Axiall Ohio, Inc.	Chemical Feeder	14/524,061	10/27/2014		
98.	United States	Axiall Ohio, Inc.	Chemical Feeder	14/533,945	11/05/2014		
99.	Patent Cooperation Treaty	Axiall Ohio, Inc.	Chemical Feeder	PCT/US2014/06 4223	11/06/2014		
100.	Patent Cooperation Treaty	Axiall Ohio, Inc.	Chemical Feeder	PCT/US2014/06 4240	11/06/2014		
101.	Patent Cooperation Treaty	Axiall Ohio, Inc.	Chemical Feeder	PCT/US2014/06 4476	11/07/2014		
102.	Mexico	PPG Industries Ohio Inc.	METHOD OF OPERATING A CHEMICAL FEEDER	PA/a/2002/06389	6/25/2002	226108	06/25/2002

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