

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT3501905

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	TERMINATION AND RELEASE OF SECURITY INTEREST IN UNITED STATES PATENTS

CONVEYING PARTY DATA

Name	Execution Date
BANK OF AMERICA, N.A., AS ADMINISTRATIVE AGENT	08/26/2015

RECEIVING PARTY DATA

Name:	CELGARD, LLC (F/K/A/ CELGARD, INC.)
Street Address:	13800 SOUTH LAKES DRIVE
City:	CHARLOTTE
State/Country:	NORTH CAROLINA
Postal Code:	28273

PROPERTY NUMBERS Total: 100

Property Type	Number
Patent Number:	6080507
Patent Number:	6322923
Patent Number:	5916647
Patent Number:	6299820
Patent Number:	6368742
Patent Number:	6558450
Patent Number:	6790262
Patent Number:	6716552
Patent Number:	6346350
Patent Number:	6749961
Patent Number:	6432586
Patent Number:	6602593
Patent Number:	6402818
Patent Number:	6287730
Patent Number:	5453333
Patent Number:	6881515
Patent Number:	6207053
Patent Number:	6057061
Patent Number:	6921608
Patent Number:	6350411

PATENT

Property Type	Number
Patent Number:	6149817
Patent Number:	6063277
Patent Number:	6267926
Patent Number:	5952120
Patent Number:	6007940
Patent Number:	6106971
Patent Number:	6180280
Patent Number:	6057060
Patent Number:	6132654
Patent Number:	6020394
Patent Number:	6616841
Patent Number:	6503225
Patent Number:	5691077
Patent Number:	6692867
Patent Number:	5695545
Patent Number:	5565281
Patent Number:	5102552
Application Number:	10005846
Application Number:	10371461
Patent Number:	7087343
Application Number:	10971310
Patent Number:	7264725
Patent Number:	7794511
Application Number:	11683022
Patent Number:	7981549
Patent Number:	D538749
Patent Number:	D546768
Patent Number:	D546769
Patent Number:	7638049
Application Number:	13193691
Application Number:	13044708
Application Number:	12689418
Patent Number:	D638096
Patent Number:	8506685
Application Number:	13389604
Application Number:	13964594
Patent Number:	8158001
Patent Number:	8318022

Property Type	Number
Patent Number:	8551338
Patent Number:	7547486
Patent Number:	7803274
Patent Number:	7682421
Patent Number:	7662510
Application Number:	11560911
Patent Number:	7641795
Patent Number:	8486556
Application Number:	11386612
Patent Number:	8795565
Patent Number:	7628916
Application Number:	10966193
Application Number:	10877958
Application Number:	10836732
Application Number:	11575506
Patent Number:	7790320
Application Number:	11549273
Application Number:	11744930
Application Number:	13551883
Application Number:	13960924
Application Number:	13879683
Application Number:	14030158
Application Number:	14037845
Application Number:	14072117
Application Number:	14157561
Application Number:	14205849
Application Number:	14210507
Application Number:	61830404
Application Number:	61879175
Application Number:	61879179
Application Number:	61892730
Application Number:	61895572
Application Number:	61955272
Application Number:	61955285
Application Number:	61968602
Application Number:	61952180
Application Number:	61869125
Patent Number:	8449659

Property Type	Number
Patent Number:	8690994
Application Number:	13485966
Application Number:	13697799
Application Number:	14210660

CORRESPONDENCE DATA

Fax Number: (216)579-0212

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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ATTORNEY DOCKET NUMBER:	283419-600009
NAME OF SUBMITTER:	SASHA MARKOVIC
SIGNATURE:	/SASHA MARKOVIC/
DATE SIGNED:	08/27/2015

Total Attachments: 10

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**TERMINATION AND RELEASE OF SECURITY INTEREST IN
UNITED STATES PATENTS**

U.S. Department of Commerce
U.S. Patent and Trademark Office

THIS TERMINATION AND RELEASE OF SECURITY INTEREST IN U.S. PATENTS (the "***Patent Termination and Release***") dated as of August 26, 2015, from BANK OF AMERICA, N.A., in its capacity as administrative agent (the "***Administrative Agent***") pursuant to a Patent Security Agreement (the "***Security Agreement***") dated as of April 8, 2014 among POLYPORE INTERNATIONAL, INC., a Delaware corporation (the "***Company***"), CELGARD, LLC (f/k/a CELGARD, INC.), a Delaware limited liability company ("***Celgard***"), each other Subsidiary of the Company party thereto (each a "***Grantor***", and together with the Company and Celgard, collectively the "***Grantors***"), and the Administrative Agent. Capitalized terms used in this Patent Termination and Release but not otherwise defined herein shall have the meanings specified in the Security Agreement (unless otherwise specified herein).

WITNESSETH:

WHEREAS, in connection with the Credit Agreement and pursuant to the terms of the Guarantee and Collateral Agreement, a security interest (the "***Security Interest***") was granted under the Security Agreement by the Grantors to the Administrative Agent in certain collateral, including the Specified Patent Collateral (as hereinafter defined);

WHEREAS, a Notice of Security Interest in Patents was recorded in the Patent Division of the United States Patent and Trademark Office on April 8, 2014 at Reel 032631, Frame 0655; and

WHEREAS, in connection with the Termination of Senior Credit Facility Letter Agreement (the "***Payoff Letter***") dated August 26, 2015 among the Company, the Administrative Agent and Fifth Third Bank, as Hedge Bank, the Administrative Agent now desires to terminate and release the entirety of its Security Interest in the Specified Patent Collateral.

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

1. Definitions. The term "***Specified Patent Collateral***", as used herein, shall mean all of such Grantor's right, title and interest of every kind and nature as of the date hereof in the Patents (other than Excluded Assets) owned, acquired or arising prior to the date hereof, including, without limitation, the Patents set forth on Schedule I hereto.

2. Release of Security Interest. The Administrative Agent hereby terminates, releases and discharges to the Grantors any and all liens, right, title and interest (including the Security Interest) granted to the Existing Lenders (as defined in the Payoff Letter) and/or the

Administrative Agent or their predecessors, successors and assigns in the Specified Patent Collateral, without representation, warranty or recourse of any kind or nature.

3. Further Acts. At the expense of the Company, the Administrative Agent hereby agrees to perform all further acts and execute and deliver all further documents and/or instruments that may be necessary to carry out the provisions of this release and authorizes and requests that the United States Patent and Trademark Office note and record the existence of the release hereby given.

4. Full Authority. The Administrative Agent represents and warrants that it has full authority to execute and deliver this Patent Termination and Release.

5. Governing Law. THIS PATENT TERMINATION AND RELEASE 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 PATENT TERMINATION AND RELEASE 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.

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IN WITNESS WHEREOF, the undersigned has executed this Termination and Release by its duly authorized officer as of the date first above written.

BANK OF AMERICA, N.A., as Administrative Agent

By: *Darleen R. DiGrazia*
Name: Darleen R. DiGrazia
Title: Vice President

STATE OF NORTH CAROLINA

COUNTY OF MECKLENBURG

On this 20 day of August, 2015 before me personally appeared Darleen R. DiGrazia, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Debra Hill
Notary Public

My commission expires: _____

(SEAL)

DEBRA HILL
Notary Public
Mecklenburg Co., North Carolina
My Commission Expires Nov. 12, 2016

SCHEDULE 1
PATENTS

CELGARD, LLC (f/k/a CELGARD, INC.)
U.S. Patents

Country	Title	Application No. Filing Date	Patent No. Issue Date
USA	Trilayer Battery Separator	09/059126 4/13/98	6080507 6/27/00
USA	Separator for Gel Electrolyte Battery	09/016024 1/30/98	6322923 11/27/01
USA	Pressure Vessel: Overmolding a Polyolefin Onto a Polyolefin	08/719668 9/25/96	5916647 6/29/99
USA	Pressure Vessel: Overmolding a Polyolefin Onto a Polyolefin	09/250116 2/16/99	6299820 10/9/01
USA	Polypropylene Microporous Membrane for Battery Separator	09/105516 06/26/98	6368742 4/9/02
USA	Method for Debubbling an Ink	09/816730 3/22/01	6558450 5/6/03
USA	Method for Debubbling an Ink	10/364873 2/12/03	6790262 09/14/04
USA	A Secondary Lithium Battery Construction for Improved Heat Transfer	09/726633 11/30/00	6716552 04/06/04
USA	Structurally Stable, Fusible Battery Separators and Method of Making Same	09/296682 4/20/99	6346350 2/12/02
USA	Shutdown Battery Separator Made With a Blend of Polymer and Oligomer	09/546262 4/10/00	6749961 06/15/04
USA	Separator for a High Energy Rechargeable Lithium Battery	09/546266 4/10/00	6432586 8/13/02
USA	Battery Separators with Reduced Splitting Propensity	09/385933 8/30/99	6602593 8/5/03
USA	Degassing a Liquid with a Membrane Contractor	09/586369 6/2/00	6402818 6/11/02

Country	Title	Application No. Filing Date	Patent No. Issue Date
USA	A Hydrophilic Polyolefin Membrane Having a Coating Containing Surfactant and an Evoh	09/134622 8/14/98	6287730 9/11/01
USA	Porous Membrane Having Single Layer Structure, Battery Separator Made Thereof, Preparations Thereof and Battery Separator for Polymer Battery	07/992181 12/17/92 09/851479 5/8/01	5453333 9/26/95 6881515 04/19/05
USA	A Thermoplastic, Unibody Transfer Device	09/206351 12/7/98	6207053 3/27/01
USA	Ethylene-Vinyl Alcohol Copolymer Battery Separator	08/969235 11/13/97	6057061 5/2/00
USA	Battery Separator	10/225018 8/21/02	6921608 07/26/05
USA	Microporous Hollow Fiber Blood Oxygenator	09/046341 3/23/98	6350411 2/26/02
USA	Shell-Less Hollow Fiber Membrane Fluid Contactor	09/265064 3/8/99	6149817 11/21/00
USA	Fiber-Reinforced, Composite Body Contactors	09/041577 3/13/98	6063277 5/16/00
USA	Device for Removing Entrained Gases from Liquids	09/168632 10/8/98	6267926 7/31/01
USA	A Method of Making a Trilayer Battery Separator	08/839664 4/15/97	5952120 9/14/99
USA	Portable Power Tools Having Low Rate, Rechargeable Batteries	08/979017 11/26/97	6007940 12/28/99
USA	Portable Power Tools Having Low Rate, Rechargeable Batteries	09/391247 9/7/99	6106971 8/22/00
USA	Trilayer Battery Separator	09/041163 3/12/98	6180280 1/30/01
USA	Ultra-Thin, Single-Ply Battery Separator	08/896513 6/22/97	6057060 5/2/00
USA	Ultra-Thin, Single-Ply Battery Separator	09/441418 11/16/99	6132654 10/17/00
USA	Crosslinking of Polymers	09/027709	6020394

Country	Title	Application No. Filing Date	Patent No. Issue Date
		2/23/98	2/1/00
USA	Hollow Fiber Membrane Contactor	09/886653 6/21/01	6616841 09/09/03
USA	Device for Removal of Gas Bubbles and Dissolved Gases in Liquid	09/530309 10/23/00	6503225 01/07/03
USA	Shutdown, Trilayer Battery Separator	08/650210 05/20/96	5691077 11/25/97
USA	Battery Separator - Pin Removal	09/976982 10/12/01	6692867 02/17/04
USA	Degassing Liquids: Apparatus and Method	08/644770 05/10/96	5695545 12/09/97
USA	Shutdown, Bilayer Battery Separator	08/348630 12/02/94	5565281 10/15/96
USA	Diffusion Membrane	10/005846 12/03/01	
USA	MEMBRANES FROM UV-CURABLE RESINS	07/587891 09/25/90	5102552 04/07/92
USA	Oxidation Resistant Separator for a Battery	10/371461 02/21/03	
USA	High Melt Integrity Battery Separator for Lithium Ion Batteries	10/621234 07/15/03	7087343 08/08/06
USA	Battery separator with Z-direction stability	10/971,310 10/22/04	
USA	A hollow fiber membrane contactor and method of making same	10793573 03/04/04	7264725 09/04/07
USA	Battery Separator for Lithium Polymer Battery	11671486 02/06/07	7794511 09/14/10
USA	Battery Separator and Method of Making Same	US11683022 03/07/07	
USA	Separator for Battery Having Zinc Electrode	US12834922 07/13/10	7981549 07/19/11
USA	Three-port high performance mini hollow fiber membrane contactor	US20320704 04/09/04	D538749 03/20/07

Country	Title	Application No. Filing Date	Patent No. Issue Date
USA	Three-port high performance mini hollow fiber membrane Contactor	29249675 10/17/06	D546768 07/17/07
USA	Three-port high performance mini hollow fiber membrane Contactor	29249676 10/17/06	D546769 07/17/07
USA	Three-port high performance mini hollow fiber membrane contactor	10812450 03/30/04	7638049 12/29/09
USA	ULTRA HIGH MELT TEMPERATURE MICROPOROUS HIGH TEMPERATURE BATTERY SEPARATORS AND RELATED METHODS	13/193,691 07/29/11	
USA	BIAXIALLY ORIENTED POROUS MEMBRANES, COMPOSITES, AND METHODS OF MANUFACTURE AND USE	13/044708 03/10/11	
USA	X-RAY SENSITIVE BATTERY SEPARATORS AND RELATED METHODS	12/689,418 01/19/10	
USA	Wafer-shaped hollow fiber module	29338029 06/03/09	D638096 05/17/11
USA	HIGH PRESSURE LIQUID DEGASSING MEMBRANE CONTACTORS AND METHODS OF MANUFACTURING AND USE	12/857,199 08/16/10	8506685 8/13/13
USA	HIGH PRESSURE LIQUID DEGASSING MEMBRANE CONTACTORS AND METHODS OF MANUFACTURING AND USE	13389604 02/09/12	8778055 7/15/14
USA	HIGH PRESSURE LIQUID DEGASSING MEMBRANE CONTACTORS AND METHODS OF MANUFACTURING AND USE	13964594 08/12/13	
USA	A WAFER-SHAPED HOLLOW FIBER MODULE FOR IN-LINE USE IN A PIPING SYSTEM	12477340 06/03/09	8158001 04/17/12
USA	A WAFER-SHAPED HOLLOW FIBER MODULE FOR IN-LINE USE IN A PIPING SYSTEM	13/419477 03/14/12	8318022 11/27/12
USA	A WAFER-SHAPED HOLLOW FIBER MODULE FOR IN-LINE USE IN A PIPING SYSTEM	13/657965 10/23/12	8551338 10/08/13
USA	Direct methanol fuel cell	10974490 10/27/04	7547486 06/16/09

Country	Title	Application No. Filing Date	Patent No. Issue Date
USA	A contained liquid membrane contactor and a method of manufacturing the same	12112071 04/30/08	7803274 09/28/10
USA	Degassing a liquid using a gravity fed apparatus	11548713 10/12/06	7682421 03/23/10
USA	X-RAY SENSITIVE BATTERY SEPARATOR AND A METHOD FOR DETECTING THE POSITION OF A SEPARATOR IN A BATTERY	11/858364 09/20/07	7662510 02/16/10
USA	CO-EXTRUDED, MULTI-LAYERED BATTERY SEPARATOR	11/560,911 11/17/06	
USA	Membrane contactor	11/447,188 06/05/06	7641795 01/05/10
USA	Multilayer separator exhibiting improved strength and stability	12/755471 04/07/10	8486556 07/16/13
USA	Membrane made of a blend of UHMW polyolefins	11386612 03/22/06	
USA	BIAXIALLY ORIENTED MICROPOROUS MEMBRANE	11/674,180 02/13/07	8795565 07/16/14
USA	Hollow fiber module	11/043,351 01/26/05	7628916 12/08/09
USA	Membrane contactor and method of making the same	10/966,193 10/15/04	
USA	Li/MnO2 battery separators with selective ion transport	10/877,958 06/25/04	
USA	Battery separator with antistatic properties	10/836,732 04/30/04	
USA	Battery separator with Z-direction stability	11/575506 02/11/08	
USA	Battery separator with Z-direction stability	11/619,002 1/2/2007	7,790,320 9/7/2010
USA	Oxidation resistant separator for a battery	11/549273 10/13/2006	
USA	Multilayer Battery Separators	11/744,930 05/07/07	

Country	Title	Application No. Filing Date	Patent No. Issue Date
USA	Surface Modified Polymeric Materials	13/551883 07/18/12	
USA	Separator Membranes For Lithium Ion Batteries And Related Methods	13/960924 8/7/13	
USA	Testing and Measuring Devices, Systems, Components and Methods	13/879683 04/16/13	
USA	Thin Battery Separators And Methods	14/030158 9/18/13	
USA	Porous Membranes, Materials, Composites, Laminates, Textiles and Related Methods	14/037845 9/26/13	
USA	Copolymer Membranes, Fibers, Products and Methods	14/072117 11/5/13	
USA	Surface Modifying Agents, Modified Materials And Methods	14/157561 1/17/14	
USA	Method and System for Optical Camber Measurement	14/205849 3/12/14	
USA	Multilayer Hybrid Battery Separators For Lithium Ion Secondary Batteries And Methods Of Making Same	14/210507 3/14/14	
USA	Electrically Conductive, Transparent, Translucent	61/830404 6/3/13	
USA	Porous Membranes Filled with Nano-Particles	61/879175 9/18/13	
USA	Surface Treated Particle Fillers	61/879179 9/18/13	
USA	Porous Membrane Wipes	61/892730 10/18/13	
USA	Continuous Web Inline Testing	61/895572 10/25/13	
USA	Embossed Microporous Membrane Wipes (75% owner)	61/955272 3/19/14	
USA	Embossed Microporous Membrane Battery Separator	61/955285 3/19/14	

Country	Title	Application No. Filing Date	Patent No. Issue Date
USA	Seam Tape and Method	61/968602 3/21/14	
USA	Asymmetric PMP Membrane	61/952180 3/13/14	
USA	Multi-Cartridge Membrane Contactors Testing	61/869125 8/23/13	
USA	LIQUID DEGASSING MEMBRANE CONTACTORS, COMPONENTS, SYSTEMS AND RELATED METHODS	13/247213 09/28/11	8449659 5/28/13
USA	LIQUID DEGASSING MEMBRANE CONTACTORS, COMPONENTS, SYSTEMS AND RELATED METHODS	13/895432 05/16/13	8690994 04/8/14
USA	Flat Panel Contactors And Methods	13/485966 6/1/12	
USA	Contactors, Cartridges, Systems, And Related Methods	13/697799 11/14/12	
USA	Membrane Contactors and Systems For Membrane Distillation Or Ammonia Removal And Related Methods	14/210660 3/14/14	
USA	MULTILAYER SEPARATOR EXHIBITING IMPROVED STRENGTH AND STABILITY	12/755471 4/7/10	8486556 7/16/13
USA	THIN BATTERY SEPARATORS AND METHODS	14/030,158 9/18/13	

PATENT

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RECORDED: 08/27/2015