

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

EPAS ID: PAT2949197

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY AGREEMENTS IN PATENT RIGHTS
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT	04/08/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CELGARD, LLC
<b>Street Address:</b>	13800 SOUTH LAKES DRIVE
<b>City:</b>	CHARLOTTE
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	28273
<b>PROPERTY NUMBERS Total: 38</b>	
<b>Property Type</b>	<b>Number</b>
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 Number:	6149817

PATENT

Property Type	Number
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
Patent Number:	7087343

**CORRESPONDENCE DATA**

**Fax Number:** (704)444-8857

*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:** 4452178-3915

**NAME OF SUBMITTER:** TERRY L. WITCHER, PARALEGAL

**SIGNATURE:** /s/ Terry L. Witcher

**DATE SIGNED:** 07/22/2014

**Total Attachments: 6**

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**RELEASE OF SECURITY AGREEMENTS IN  
PATENT RIGHTS**

This RELEASE OF SECURITY INTEREST IN PATENT RIGHTS ("Patent Release") is granted and conveyed as of April 8, 2014, by JPMorgan Chase Bank, N.A. (including any successor, participant, assignee or transferee thereof), as Administrative Agent ("Agent" or "Lender"), in favor of CELGARD, LLC, a Delaware limited liability company (including any successors in interest or assignees thereof, collectively "Grantor"), who are parties to that certain Credit Agreement, dated as of May 13, 2004, as amended and restated as of June 29, 2012, by and between Grantor and Agent, among others, (as amended and/or restated, together with any and all guaranties, security agreements, pledge agreements, ancillary agreements and other documents and instruments relating thereto, including all IP Collateral documents the "JPM Security Agreement") and (b) who were parties to a Credit Agreement, dated as of December 15, 1999, as amended and restated from time to time, by and between the Agent, as successor to The Chase Manhattan Bank, as Administrative Agent, and the Grantor (as amended and/or restated, together with any and all guaranties, security agreements, pledge agreements, ancillary agreements and other documents and instruments relating thereto, including all IP Collateral documents the "Chase IP Security Agreement", and individually with the JPM IP Security Agreement, each an IP Security Agreement and collectively, the "IP Security Agreements").

**WITNESSETH**

WHEREAS, Grantor has granted a security interest in certain of its collateral, including the Patent Collateral (as hereinafter defined); pursuant to the IP Security Agreements, for the benefit of the Lender;

WHEREAS, Grantor has requested that the Lender: (a) terminate and release the liens and interests of the Lender in the Patent Collateral; and (b) execute and deliver evidence of such termination and release for filing with the PTO; and

WHEREAS, the Lender has agreed to such release and termination.

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

1. Definitions. The term "Patent Collateral," as used herein, shall mean all of the Grantors' right, title and interest of every kind and nature as of the date hereof in the Patents (including, without limitation, those items listed on Schedule A hereto). The term "Patents" shall have the meaning provided by reference in the applicable IP Security Agreement.

2. Acknowledgment of Termination of Grants of Security Interest in Patents and Trademarks. All rights and security interest in the Patent Collateral are hereby terminated and released and are no longer in force.

3. Recordation. The Lender hereby authorizes and requests the Commissioner of Patents and Trademarks and any other applicable government officer to record this Patent Release.

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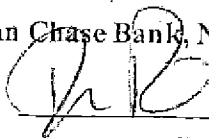
4. Further Assurances. The Lender hereby agrees to execute such instruments and to take such other actions as the Grantor may reasonably request in writing in order to terminate the Lender's security interests in the Patent Collateral and otherwise to effectuate the release of the Patent Collateral.

RELEASE OF SECURITY AGREEMENTS IN  
PATENT RIGHTS IN FAVOR OF CELGARD, LLC

IN WITNESS WHEREOF, Lender, on behalf of itself and any and all respective successors and assigns, has caused this Release of Security Interest in Intellectual Property to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

JPMorgan Chase Bank, N.A.

By:



Name:

DEVIN ROCISANO

Title:

VICE PRESIDENT

Exhibit A

U.S. Patents Registrations and Applications

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 Electrolytic 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 6/22/01	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	US6790262 09/14/04
USA	A Secondary Lithium Battery Construction for Improved Heat Transfer	09/726633 11/30/00	US6716552 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	US6749961 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
USA	A Hydrophilic Polyolefin Membrane Having a Coating Containing a Surfactant and an Evoh	09/134622 8/14/98	6287730 9/11/01

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Country	Title	Application No. Filing Date	Patent No. Issue Date
USA	Porous Membrane Having Single Layer Structure, Battery Separator Made Thereof, Preparations Thereof and Battery Separator for Polymer Battery	07/992181 12/17/92	5453333 9/26/95
USA	A Thermoplastic, Unibody Transfer Device	09/851479 5/8/01	US6881515 04/19/05
USA	Ethylene-Vinyl Alcohol Copolymer Battery Separator	09/206351 12/7/98	6207053 3/27/01
USA	Battery Separator	08/969235 11/13/97	6057061 5/2/00
USA	Microporous Hollow Fiber Blood Oxygenator	10/225018 8/21/02	US6921608 07/26/05
USA	Shell-Less Hollow Fiber Membrane Fluid Contactor	09/046341 3/23/98	6350411 2/26/02
USA	Fiber-Reinforced, Composite Body Contactors	09/265064 3/8/99	6149817 11/21/00
USA	Device for Removing Entrained Gases from Liquids	09/041577 3/13/98	6063277 5/16/00
USA	A Method of Making a Trilayer Battery Separator	09/168632 10/8/98	6267926 7/31/01
USA	Portable Power Tools Having Low Rate, Rechargeable Batteries	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	Trilayer Battery Separator	09/391247 9/7/99	6106971 8/22/00
USA	Ultra-Thin, Single-Ply 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	Crosslinking of Polymers	09/441418 11/16/99	6132654 10/17/00
USA		09/027709 2/23/98	6020394 2/1/00

Country	Title	Application No. Filing Date	Patent No. Issue Date
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	US6692867 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	Composite Porous membranes and Methods of Making the Same	587891 09/25/90	5102552 04/07/92
USA	High Melt Integrity Battery Separator for Lithium Ion Batteries	10/621234 07/15/03	US7087343 08/08/06