PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ADAM M. JOHNS	08/25/2014
RICHARD L. PEDERSON	08/15/2014
ROSEMARY CONRAD KISER	08/15/2014
ANDREW NICKEL	08/14/2014

RECEIVING PARTY DATA

Name:	MATERIA, INC.
Street Address:	60 NORTH SAN GABRIEL BOULEVARD
City:	PASADENA
State/Country:	CALIFORNIA
Postal Code:	91107

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14782699

CORRESPONDENCE DATA

Fax Number: (703)776-9701

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ATTORNEY DOCKET NUMBER:	015.0027-US00
NAME OF SUBMITTER:	AARON M. RAPHAEL
SIGNATURE:	/Aaron M. Raphael, Reg. No. 47,885/
DATE SIGNED:	01/06/2016

Total Attachments: 6

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PATENT 503636697 REEL: 037420 FRAME: 0148

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INVENTORS' WORLDWIDE ASSIGNMENT

WHEREAS,	this	patent	assignment	(the	"Assignment")	is	made	as	of
June 11, 2012		, (the	"Effective Dat	e")					

WHEREAS, inventors Adam M. JOHNS, Richard L. PEDERSON, Rosemary Conrad KISER and Andrew NICKEL (collectively, "Assignors") possess the right, title, and interest for and in an invention entitled CROSS METATHESIS OF POLY-BRANCHED POLY-OLEFINS ("the Invention"). The Invention is described in the corresponding listed PCT International Application No. PCT/US2014/033528, which was filed on April 9, 2014, and Provisional Application No. 61/942,175, filed on February 20, 2014, and Provisional Application No. 61/810,149, filed on April 9, 2013 (collectively the "Applications"), and

WHEREAS, MATERIA, INC., whose post office address is 60 North San Gabriel Boulevard, Pasadena, CA 91107, ("Assignee"), is desirous of acquiring Assignors' entire right, title, and interest in and to this Invention in all countries throughout the world, and in and to the applications for Letters Patent in all countries throughout the world on this Invention and any Letters Patent to be issued from these Applications, including all continuation applications, divisional applications, reissues, and re-examinations and all Letters Patent throughout the world which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above Applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country (including any PCT International applications and National Phase cases therefrom), and all Letters Patent which may be granted on this Invention in any foreign country, and all extensions, renewals, divisional applications, and reissues thereof (all of Inventors' right, title, and interest referred to in this paragraph are hereinafter collectively referred to as the "Rights");

NOW THEREFORE, for sufficient, good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignors confirm that they have assigned, transferred, and conveyed, absolutely, and by way of further assurances do hereby assign, transfer, and convey absolutely to Assignee, its lawful successors and assigns, Assignors' entire right, title, and interest in and to the aforesaid Rights in existence as of the Effective Date.

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any appropriate official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent under said Rights to Assignee, its successors and assigns, in accordance with the terms of this Assignment; and

ASSIGNORS hereby covenant that Assignors have the full right to convey the interest assigned by this Assignment, and that Assignors have not executed and will not execute any agreement in conflict with this Assignment;

AND, the aforesaid Assignment includes the Assignors' right in and to all income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same

would have been held and enjoyed by Assignors if this sale and assignment had not been made:

AND, nothing in this Assignment shall be construed as (i) a warranty or representation by Assignors as to the validity or scope of any Rights, (ii) a warranty or representation that anything made, used, imported, developed, promoted, offered for sale, sold, or otherwise disposed of under the Rights does not or will not infringe patents, trade secrets or other proprietary rights of third parties; (iii) a representation or warranty of operability or that development of a commercial products is possible; (iv) any other representations or warranties, either express or implied, unless specified herein; (v) directly or indirectly operating or applying as a waiver of sovereign immunity by the state of California; or (vi) imposing any obligation or any liability on any party contrary to the laws of the state of California. ALL RIGHTS ARE ASSIGNED HEREUNDER "AS IS." ASSIGNORS DISCLAIM AND MAKE NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE RIGHTS.

ASSIGNORS further covenant and agree that, upon request of Assignee, Assignors will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to Assignors respecting this Invention, sign and deliver all lawful papers when called upon to do so, including Declarations, Oaths, Powers of Attorney, Assignments, and Affidavits for or in relation to these Applications and any continuation applications, divisional applications, reissues, and re-examinations, and to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this Invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by Assignee, its successors and assigns.

The undersigned hereby authorize the firms of J.A. Lindeman & Co., PLLC to correct errors in this Assignment or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in any country.

IN WITNESS WHEREOF, said Assignors have hereunto set their hands.

Signature of Assignor:	Islam M. Afr	Date:	8/25/2014
Printed Name:	Adam M. JOHNS	Citizen of:	USA
Post Office Address:	615 Wellesley Dr. Claremont, CA	91711	
Residence (if different):			
Signature of Assignor:		Date:	
Olgridial of Alcolgridi.		Date.	
Printed Name:	Richard L. PEDERSON	Citizen of:	USA
Post Office Address:	8736 Huntington Drive, San Gabri	el, CA 91775	

Residence (if different):			
Signature of Assignor:		Date:	
Printed Name:	Rosemary Conrad KISER	Citizen of:	USA
Post Office Address:	465 E. Highland Ave., Sierra Mad	re, CA 91024	
Residence (if different):			
Signature of Assignor:		Date:	
Printed Name:	Andrew NICKEL	Citizen of:	USA
Post Office Address:	572 South Berkeley Ave., San Ma	arino, CA 91108	
Residence (if different):			

INVENTORS' WORLDWIDE ASSIGNMENT

WHEREAS, this patent assignment (the "Assignment") is made as of 01/13/00, 12/16/11, 01/11/08 , (the "Effective Date")

WHEREAS, inventors Adam M. JOHNS, Richard L. PEDERSON, Rosemary Conrad KISER and Andrew NICKEL (collectively, "Assignors") possess the right, title, and interest for and in an invention entitled CROSS METATHESIS OF POLY-BRANCHED POLY-OLEFINS ("the Invention"). The Invention is described in the corresponding listed PCT International Application No. PCT/US2014/033528, which was filed on April 9, 2014, and Provisional Application No. 61/942,175, filed on February 20, 2014, and Provisional Application No. 61/810,149, filed on April 9, 2013 (collectively the "Applications"), and

WHEREAS, MATERIA, INC., whose post office address is 60 North San Gabriel Boulevard, Pasadena, CA 91107, ("Assignee"), is desirous of acquiring Assignors' entire right, title, and interest in and to this Invention in all countries throughout the world, and in and to the applications for Letters Patent in all countries throughout the world on this Invention and any Letters Patent to be issued from these Applications, including all continuation applications, divisional applications, reissues, and re-examinations and all Letters Patent throughout the world which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above Applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country (including any PCT International applications and National Phase cases therefrom), and all Letters Patent which may be granted on this Invention in any foreign country, and all extensions, renewals, divisional applications, and reissues thereof (all of Inventors' right, title, and interest referred to in this paragraph are hereinafter collectively referred to as the "Rights");

NOW THEREFORE, for sufficient, good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignors confirm that they have assigned, transferred, and conveyed, absolutely, and by way of further assurances do hereby assign, transfer, and convey absolutely to Assignee, its lawful successors and assigns, Assignors' entire right, title, and interest in and to the aforesaid Rights in existence as of the Effective Date.

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any appropriate official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent under said Rights to Assignee, its successors and assigns, in accordance with the terms of this Assignment; and

ASSIGNORS hereby covenant that Assignors have the full right to convey the interest assigned by this Assignment, and that Assignors have not executed and will not execute any agreement in conflict with this Assignment;

AND, the aforesaid Assignment includes the Assignors' right in and to all income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same

would have been held and enjoyed by Assignors if this sale and assignment had not been made;

AND, nothing in this Assignment shall be construed as (i) a warranty or representation by Assignors as to the validity or scope of any Rights, (ii) a warranty or representation that anything made, used, imported, developed, promoted, offered for sale, sold, or otherwise disposed of under the Rights does not or will not infringe patents, trade secrets or other proprietary rights of third parties; (iii) a representation or warranty of operability or that development of a commercial products is possible; (iv) any other representations or warranties, either express or implied, unless specified herein; (v) directly or indirectly operating or applying as a waiver of sovereign immunity by the state of California; or (vi) imposing any obligation or any liability on any party contrary to the laws of the state of California. ALL RIGHTS ARE ASSIGNED HEREUNDER "AS IS." ASSIGNORS DISCLAIM AND MAKE NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE RIGHTS.

ASSIGNORS further covenant and agree that, upon request of Assignee, Assignors will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to Assignors respecting this Invention, sign and deliver all lawful papers when called upon to do so, including Declarations, Oaths, Powers of Attorney, Assignments, and Affidavits for or in relation to these Applications and any continuation applications, divisional applications, reissues, and re-examinations, and to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this Invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by Assignee, its successors and assigns.

The undersigned hereby authorize the firms of J.A. Lindeman & Co., PLLC to correct errors in this Assignment or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in any country.

IN WITNESS WHEREOF, said Assignors have hereunto set their hands.

Signature of Assignor:		Date:	
Printed Name:	Adam M. JOHNS	Citizen of:	USA
Post Office Address:	353 E. Tujunga Ave. #103, Burbank	CA 91502	
Residence (if different):			
Signature of Assignor:	Radhai	Date:	8//5//4
Printed Name:	Richard L. PEDERSON	Citizen of:	USA
Post Office Address:	8736 Huntington Drive, San Gabrie	I, CA 91775	

Attorney Docket Number <u>015.0027-WO00</u> Page 3 of 3

Residence (if different):			
Signature of Assignor:	MMMALL	Date:	8/15/14
Printed Name:	Rosemary Conrad KISER	Citizen of:	USA
Post Office Address:	465 E. Highland Ave., Sierra Mad	lre, CA 91024	
Residence (if different):			
Signature of Assignor:	al al	Date:	8/14/14
Printed Name:	Andrew NICKEL	Citizen of:	USA
Post Office Address:	572 South Berkeley Ave., San Ma	arino, CA 91108	
Residence (if different):			

PATENT REEL: 037420 FRAME: 0155

RECORDED: 01/06/2016