504118124 12/01/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL R. OLDFIELD	09/08/2015
PETER A. BERTASI	09/13/2015
BRIAN C. REED	09/08/2015
WALDO MILLER	09/08/2015
KEITH BRAUD	09/08/2015

RECEIVING PARTY DATA

Name:	GEO SPECIALTY CHEMICALS, INC.
Street Address:	9213 ARCH STREET PIKE
City:	LITTLE ROCK
State/Country:	ARKANSAS
Postal Code:	72206

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15315426

CORRESPONDENCE DATA

Fax Number: (937)443-6600

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: 937-443-6600

Email: ipdocket@thompsonhine.com

Correspondent Name: SUSAN M. OILER

Address Line 1: 10050 INNOVATION DRIVE

Address Line 2: SUITE 400

Address Line 4: DAYTON, OHIO 45342-4934

ATTORNEY DOCKET NUMBER:	037179-00208USE/AMG
NAME OF SUBMITTER:	SUSAN M. OILER
SIGNATURE:	/Susan M. Oiler/
DATE SIGNED:	12/01/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT 8124 REEL: 040479 FRAME: 0830

504118124

Total Attachments: 10 source=037179-00208USe_PO-T_DEC_ASSIGN_All_Invs_2016-12-01#page1.tif source=037179-00208USe_PO-T_DEC_ASSIGN_All_Invs_2016-12-01#page2.tif source=037179-00208USe_PO-T_DEC_ASSIGN_All_Invs_2016-12-01#page3.tif source=037179-00208USe_PO-T_DEC_ASSIGN_All_Invs_2016-12-01#page4.tif source=037179-00208USe_PO-T_DEC_ASSIGN_All_Invs_2016-12-01#page5.tif source=037179-00208USe_PO-T_DEC_ASSIGN_All_Invs_2016-12-01#page6.tif source=037179-00208USe_PO-T_DEC_ASSIGN_All_Invs_2016-12-01#page7.tif source=037179-00208USe_PO-T_DEC_ASSIGN_All_Invs_2016-12-01#page8.tif source=037179-00208USe_PO-T_DEC_ASSIGN_All_Invs_2016-12-01#page9.tif source=037179-00208USe_PO-T_DEC_ASSIGN_All_Invs_2016-12-01#page9.tif source=037179-00208USe_PO-T_DEC_ASSIGN_All_Invs_2016-12-01#page10.tif

Title: METHOD FOR MAKING SULFATED POLYALUMINUM CHLORIDE (PACS) OR POLYALUMINUM CHLORIDE (PAC) AND PACS OR PAC MADE BY SAME

WHEREAS, I, Michael R. OLDFIELD, residing at 3030 Mount McGregor, Benton, Arkansas, 72019, USA, hereby declare that:

1. I believe I am an original joint inventor of the claimed invention in the

TOHOWING	application.
İ.	in the attachment hereto; or
ii.	X in the specification filed as PCT International Application No. PCT/US2015/035613, filed on June 12, 2015, and as amended under Article 19 on, 20 (if any)

- 2. The above-identified application was made or authorized to be made by me.
- 3. I have reviewed and understand the contents of the above-identified application, including the claims as filed and as amended by any amendment referred to above:
- 4. I acknowledge that I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to the patentability of the above-identified application in accordance with 37 C.F.R § 1.56; and
- I hereby acknowledge that any willful false statement made in this
 declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of
 not more than five (5) years, or both.

AND WHEREAS, GEO SPECIALTY CHEMICALS, INC., a corporation of the State of Arkansas, with a place of business at 9213 Arch Street Pike, Little Rock, Arkansas, 72206, USA, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other valuable consideration, receipt whereof is hereby acknowledged, I hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire right, title and interest in and to said application, any application claiming priority

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therefrom, any non-provisionals, divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and I hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and I hereby agree that, upon request, I will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

IN TESTIMONY WHEREOF, I hereunto set my hand this 8th day of September, 2015.

Michael R OLDEIELD

831251,1

Docket No. 037179-00208WO/US

ASSIGNMENT AND OATH/DECLARATION

Title: METHOD FOR MAKING SULFATED POLYALUMINUM CHLORIDE (PACS) OR POLYALUMINUM CHLORIDE (PAC) AND PACS OR PAC MADE BY SAME

WHEREAS, I, Peter A. BERTASI, residing at 9241 Sourwood Drive, Gainesville, Georgia, 30506, USA, hereby declare that:

1.	I believe I am an original joint inventor of the claimed invention in the following application:	
	i in the attachment hereto; or	
	ii. X in the specification filed as PCT International Application No. PCT/US2015/035613, filed on June 12, 2015, and as amended under Article 19 on, 20 (if any)	

- 2. The above-identified application was made or authorized to be made by me.
- 3. I have reviewed and understand the contents of the above-identified application, including the claims as filed and as amended by any amendment referred to above;
- 4. I acknowledge that I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to the patentability of the above-identified application in accordance with 37 C.F.R § 1.56; and
- 5. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

AND WHEREAS, GEO SPECIALTY CHEMICALS, INC., a corporation of the State of Arkansas, with a place of business at 9213 Arch Street Pike, Little Rock, Arkansas, 72206, USA, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other valuable consideration, receipt whereof is hereby acknowledged, I hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire right, title and interest in and to said application, any application claiming priority

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therefrom, any non-provisionals, divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and I hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and I hereby agree that, upon request, I will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

IN TESTIMONY WHEREOF, I hereunto set my hand this 3 day of 500 day of 2015.

Peter A. BERTASI

831266,1

Title: METHOD FOR MAKING SULFATED POLYALUMINUM CHLORIDE (PACS) OR POLYALUMINUM CHLORIDE (PAC) AND PACS OR PAC MADE BY SAME

WHEREAS, I, Brian C. REED, residing at 758 Quartz Drive, Benton, Arkansas, 72019, USA, hereby declare that:

1.	I believe I am an original joint inventor of the claimed invention in the following application:	
	i.	in the attachment hereto; or
	ii.	X in the specification filed as PCT International Application No. PCT/US2015/035613, filed on June 12, 2015, and as amended under Article 19 on, 20 (if any)

- 2. The above-identified application was made or authorized to be made by me.
- 3. I have reviewed and understand the contents of the above-identified application, including the claims as filed and as amended by any amendment referred to above:
- 4. I acknowledge that I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to the patentability of the above-identified application in accordance with 37 C.F.R § 1.56; and
- 5. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

AND WHEREAS, GEO SPECIALTY CHEMICALS, INC., a corporation of the State of Arkansas, with a place of business at 9213 Arch Street Pike, Little Rock, Arkansas, 72206, USA, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other valuable consideration, receipt whereof is hereby acknowledged, I hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire right, title and interest in and to said application, any application claiming priority

Page 2 of 2

therefrom, any non-provisionals, divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and I hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and I hereby agree that, upon request, I will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

IN TESTIMONY WHEREOF, I hereunto set my hand this 3th day of 5 ptember, 2015.

Brian C. REED

831267.1

Title:

METHOD FOR MAKING SULFATED POLYALUMINUM CHLORIDE (PACS) OR POLYALUMINUM CHLORIDE (PAC) AND PACS OR PAC MADE BY SAME

WHEREAS, I, Waldo MILLER, residing at 40 Jan Drive, Ringgold, Georgia, 30736, USA, hereby declare that:

1. I believe I am an original joint inventor of the claimed invention in the

following application:	
i in the attachment hereto; or	
 X in the specification filed as PCT International Application No. PCT/US2015/035613, filed on June 12, 2015, and as amended under Article 19 on, 20 (if any) 	

- 2. The above-identified application was made or authorized to be made by me.
- 3. I have reviewed and understand the contents of the above-identified application, including the claims as filed and as amended by any amendment referred to above;
- 4. I acknowledge that I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to the patentability of the above-identified application in accordance with 37 C.F.R § 1.56; and
- 5. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

AND WHEREAS, GEO SPECIALTY CHEMICALS, INC., a corporation of the State of Arkansas, with a place of business at 9213 Arch Street Pike, Little Rock, Arkansas, 72206, USA, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other valuable consideration, receipt whereof is hereby acknowledged, I hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire right, title and interest in and to said application, any application claiming priority

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therefrom, any non-provisionals, divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and I hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and I hereby agree that, upon request, I will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

IN TESTIMONY WHEREOF, I hereunto set my hand this 8th day of September, 2015.

Waldo MILLER

831270.1

Title: METHOD FOR MAKING SULFATED POLYALUMINUM CHLORIDE (PACS) OR POLYALUMINUM CHLORIDE (PAC) AND PACS OR PAC MADE BY SAME

WHEREAS, I, Keith BRAUD, residing at 616 Waters Drive, Ringgold, Georgia, 30736, USA, hereby declare that:

ollowing application:	
i in the attachment hereto; or	
 X in the specification filed as PCT International Application No. PCT/US2015/035613, filed on June 12, 2015, and as amended under Article 19 on, 20 (if any) 	

1. I believe I am an original joint inventor of the claimed invention in the

- 2. The above-identified application was made or authorized to be made by me.
- I have reviewed and understand the contents of the above-identified application, including the claims as filed and as amended by any amendment referred to above;
- 4. I acknowledge that I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to the patentability of the above-identified application in accordance with 37 C.F.R § 1.56; and
- 5. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

AND WHEREAS, GEO SPECIALTY CHEMICALS, INC., a corporation of the State of Arkansas, with a place of business at 9213 Arch Street Pike, Little Rock, Arkansas, 72206, USA, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other valuable consideration, receipt whereof is hereby acknowledged, I hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire right, title and interest in and to said application, any application claiming priority

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therefrom, any non-provisionals, divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and I hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and I hereby agree that, upon request, I will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

IN TESTIMONY WHEREOF, I hereunto set my hand this 8 day of September 2015.

Keith BRAUD

831271.1

PATENT REEL: 040479 FRAME: 0841

RECORDED: 12/01/2016