PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EWEN JAMES FERGUSON	08/16/2016
ALEXANDER JAMES PATERSON	07/28/2016
ZHAORONG ZHANG	08/22/2016

RECEIVING PARTY DATA

Name:	BP P.L.C.
Street Address:	ST. JAMES'S SQUARE
City:	LONDON
State/Country:	GREAT BRITAIN
Postal Code:	SW1Y 4PD

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15744786

CORRESPONDENCE DATA

Fax Number: (312)913-0002

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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Email: docketing@mbhb.com

MCDONNELL BOEHNEN HULBERT & BERGHOFF **Correspondent Name:**

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Address Line 4: CHICAGO, ILLINOIS 60606-6709

ATTORNEY DOCKET NUMBER:	18-060-WO-US
NAME OF SUBMITTER:	JELENA JANJIC LIBBY
SIGNATURE:	/JELENA JANJIC LIBBY/
DATE SIGNED:	01/17/2018

Total Attachments: 6

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> **PATENT** REEL: 044643 FRAME: 0063 504733641

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> PATENT REEL: 044643 FRAME: 0064

ASSIGNMENT

WHEREAS, WE, Ewen James, FERGUSON and Alexander James PATERSON both of British Nationality, residing at Beverley, East Yorkshire, United Kingdom and Beverley, East Yorkshire, United Kingdom, and Zhaorong ZHANG of US Nationality residing at Naperville Illinois, United States of America, respectively, have made an invention relating to 'Extruded Titania-Based Materials Comprising One or More Acids or Prepared Using One or More Acids' which is the subject of BP Patent Case No. 500835 filed on 14 July 2015 under US Provisional Patent Application No. 62/192,342 (hereinafter the "Invention");

WHEREAS We, Ewen James, FERGUSON and Alexander James PATERSON when contributing to said Invention and improvements thereto were employed by BP CHEMICALS LIMITED having a registered office at Chertsey Road, Sunbury on Thames, Middlesex, TW16 7BP, United Kingdom and are joint inventors of said Invention;

WHEREAS I, Zhaorong ZHANG when contributing to said Invention and improvements thereto was employed by BP PRODUCTS NORTH AMERICA INC. having a registered office at 150 W. Warrenville Road, Naperville, Illinois 60563, United States of America and am joint inventor of said Invention;

WHEREAS WE, Ewen James, FERGUSON and Alexander James PATERSON acknowledges that all rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in BP CHEMICALS LIMITED by contract of employment or through application of law; and

WHEREAS I, Zhaorong ZHANG acknowledges that all rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in BP PRODUCTS NORTH AMERICA INC. by contract of employment or through application of law; and

WHEREAS by an assignment dated 1st & 2nd July 2015, BP CHEMICALS LIMITED and BP PRODUCTS NORTH AMERICA INC. have assigned any and all rights, title and interest of BP CHEMICALS LIMITED and BP PRODUCTS NORTH AMERICA INC. in said Invention to BP P.L.C. and BP P.L.C. has accepted the assignment; and

WHEREAS it is the wish of all the parties that the entire right, title and interest in, to and under the said Invention and any improvements thereon and the right to file patent applications therefor in any and all countries of the world any, and all patent applications therefor in the USA and all other countries of the world, and any and all Letters Patent which may be issued thereupon in the USA and all other countries of the world, shall vest solely in said BP P.L.C. having a registered office at 1 St James's Square, London, SW1Y 4PD, United Kingdom;

NOW THEREFORE, to the extent that specific assignment of the Invention and/or improvements thereon and the right to file patent applications therefor in any country of the world is needed for the purpose of recording or registration in any patent office, industrial property office or like governmental authority, WE, the said Ewen James, FERGUSON,

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presents do hereby sell, assign, transfer and set over, unto BP P.L.C., its successors and assigns, and BP P.L.C. agrees to accept and hereby does accept, the entire right, title and interest in, to and under the said Invention and any improvements thereon including priority rights and the right to file patent applications therefor in any and all countries of the world, and the right to claim priority from any patent application (including but not limited to US Provisional Patent Application No. 62/192,342 for said Invention and any improvements thereon in any country of the world, and any and all patent applications (including but not limited to US Provisional Patent Application No. 62/192,342 and Letters Patent for said Invention and improvements in the USA and all other countries of the world, and all divisions, renewals and continuations thereof, and all reissues and extensions thereof, with effect from 14 July 2015..

And WE hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute any agreement or other instrument in conflict herewith.

And WE hereby further covenant and agree that we will communicate to the assignee herein, its successors, legal representatives and assigns any facts known to us respecting said Invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, renewal, reissue and extension applications, make all rightful declarations, and generally do everything possible to aid the assignee herein, its successors, legal representatives and assigns in obtaining and enforcing proper patent protection for said Invention in the USA and all other countries of the world.

Dated: 16th Aug 201	Ewen James, FERGUSON	Witnessed
		CAMERON FERGUSON PRINT NAME
Dated:	Alexander James PATERSON	Witnessed
		PRINT NAME
Dated:	Zhaorong ZHANG	Witnessed
		PRINT NAME

Alexander James PATERSON, Zhaorong ZHANG, BP CHEMICALS LIMITED and BP PRODUCTS NORTH AMERICA INC. for valuable consideration, the receipt and adequacy of which we hereby acknowledge, agree to sell, assign, transfer and set over, and by these presents do hereby sell, assign, transfer and set over, unto BP P.L.C., its successors and assigns, and BP P.L.C. agrees to accept and hereby does accept, the entire right, title and interest in, to and under the said Invention and any improvements thereon including priority rights and the right to file patent applications therefor in any and all countries of the world, and the right to claim priority from any patent application (including but not limited to US Provisional Patent Application No. 62/192,342 for said Invention and any improvements thereon in any country of the world, and any and all patent applications (including but not limited to US Provisional Patent Application No. 62/192,342 and Letters Patent for said Invention and improvements in the USA and all other countries of the world, and all divisions, renewals and continuations thereof, and all reissues and extensions thereof, with effect from 14 July 2015..

And WE hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute any agreement or other instrument in conflict herewith.

And WE hereby further covenant and agree that we will communicate to the assignee herein, its successors, legal representatives and assigns any facts known to us respecting said Invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, renewal, reissue and extension applications, make all rightful declarations, and generally do everything possible to aid the assignee herein, its successors, legal representatives and assigns in obtaining and enforcing proper patent protection for said Invention in the USA and all other countries of the world.

Dated:	•	
	Ewen James, FERGUSON	Witnessed
		PRINT NAME
Dated: <u>28/7/2646</u>	Adlection	Jen
77	Alexander James PATERSON	Witnessed
		JON DEELEY
		PRINT NAME
Dated:		
	Zhaorong ZHANG	Witnessed
	·	PRINT NAME

Agreed for BP CHEMICALS LIMITED:

Dated: Sept 6, 2016 (signed) F.M. (ollins

(print name) FRANCE MARY COLLINS

By Paver of Attorney

Agreed for BP PRODUCTS NORTH AMERICA INC:

Dated: 01 September 2016

(print name) James J. Trussell, Vice President

Accepted for BP p.l.c.:

Dated: Sept 5, 2016

(signed) R.J.

(print name) RACHEL JOY JONES

by Power eV Attorney

Alexander James PATERSON, Zhaorong ZHANG, BP CHEMICALS LIMITED and BP PRODUCTS NORTH AMERICA INC. for valuable consideration, the receipt and adequacy of which we hereby acknowledge, agree to sell, assign, transfer and set over, and by these presents do hereby sell, assign, transfer and set over, unto BP P.L.C., its successors and assigns, and BP P.L.C. agrees to accept and hereby does accept, the entire right, title and interest in, to and under the said Invention and any improvements thereon including priority rights and the right to file patent applications therefor in any and all countries of the world, and the right to claim priority from any patent application (including but not limited to US Provisional Patent Application No. 62/192,342 for said Invention and any improvements thereon in any country of the world, and any and all patent applications (including but not limited to US Provisional Patent Application No. 62/192,342 and Letters Patent for said Invention and improvements in the USA and all other countries of the world, and all divisions, renewals and continuations thereof, and all reissues and extensions thereof, with effect from 14 July 2015.

And WE hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute any agreement or other instrument in conflict herewith.

And WE hereby further covenant and agree that we will communicate to the assignee herein, its successors, legal representatives and assigns any facts known to us respecting said Invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, renewal, reissue and extension applications, make all rightful declarations, and generally do everything possible to aid the assignee herein, its successors, legal representatives and assigns in obtaining and enforcing proper patent protection for said Invention in the USA and all other countries of the world.

Dated:		
Dated.	Ewen James, FERGUSON	Witnessed
		PRINT NAME
Dated:	Alexander James PATERSON	Witnessed
	·	PRINT NAME
Dated: <u>8/22/2016</u>	Zhaorong ZHANG	Pi Doleji Witnessed
		Eric Doskocil

Agreed for BP CHEMICALS LIMITED:

Dated: <u>Sept 6, 2016</u>

(signed) FM Collus

(print name) FRANCE MARY COLLINS

By Power of Attorney

Agreed for BP PRODUCTS NORTH AMERICA INC:

Dated: 120,2016

(signed)

(print name) <u>Jakk</u>

Accepted for BP p.l.c. :

Dated: Sept S 2040 (signed) 1. J.

(signed) (. J.)

(print name) RACHA JOY JONES

by Pover of Attorney

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