#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5316622

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DAVID ANDRE	10/16/2018
BEATRICE BOUSSAND	10/16/2018
WISSAM RACHED	11/19/2018

#### **RECEIVING PARTY DATA**

Name:	ARKEMA FRANCE
Street Address:	420 RUE D'ESTIENNE D'ORVES
City:	COLOMBES
State/Country:	FRANCE
Postal Code:	92700

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16135566

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)243-6410

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: 703-243-6333

Email: mail@mwzb.com

Correspondent Name: TIMIKA SNOWDEN

Address Line 1: MILLEN, WHITE, ZELANO & BRANIGAN, P.C. Address Line 2: 2200 CLARENDON BLVD., SUITE 1400

Address Line 4: ARLINGTON, VIRGINIA 22201

ATTORNEY DOCKET NUMBER:	HIRSCH-0051-D01
NAME OF SUBMITTER:	TIMIKA SNOWDEN
SIGNATURE:	/Timika Snowden/
DATE SIGNED:	01/09/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

#### **Total Attachments: 3**

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PATENT REEL: 047942 FRAME: 0285

### DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	HEAT TRANSFER FLUIDS WITH REDUCED FLAMMABILITY	
As the below nam	ned inventor, I hereby declare that:	
This declaration	The attached application, or	
is directed to:	United States Application or PCT International Application number 16/135,566 filed on September 19,2018	
The above-identif	fied application was made or authorized to be made by me.	
I believe that I an	n the original inventor or an original joint inventor of a claimed invention in the application.	
AND WHEREAS		
	ARKEMA FRANCE 420 rue d'Estienne d'Orves 92700 Colombes FRANCE	
hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all patent(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, including any and all renewals, reissues, reexaminations and extensions thereof.		
NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or to accrue with respect to the filling or securing of patents in the United States and/or any countries foreign thereto concerning said invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.		
AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with securing Letters Patents thereon.		
AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.		
The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.		
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR	
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.		
	OF INVENTOR David ANDRE Date: 16/10/2018	
	70,000	
Signature:		

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
Arlington Courthouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201
Telephone: 703.243.6333 | Fax: 703.243.6410

EMAIL: MAIL@MWZB.COM

Effective, September 16, 2012

## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	HEAT TRANSFER FLUIDS WITH REDUCED FLAMMABILITY	
As the below name	ed inventor, I hereby declare that:	
This declaration	The attached application, or	
is directed to:	United States Application or PCT International Application number 16/135,566 filed on September 19,2018	
The above-identif	ied application was made or authorized to be made by me.	
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.	
AND WHEREAS		
	ARKEMA FRANCE 420 rue d'Estienne d'Orves 92700 Colombes FRANCE	
hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all patent(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, including any and all renewals, reissues, reexaminations and extensions thereof.		
NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, including any and all earlier priority rights (U.S. and foreign),divisions and continuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.  AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with securing Letters Patents thereon.  AND ASSIGNOR authori		
	lersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this nation which may be necessary or desirable in order for the United States Patent and Trademark Office to its document.	
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR	
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.		
LEGAL NAME (Inventor: I	OF INVENTOR  Beatrice BOUSSAND  Date: October 16 <sup>th</sup> , 2018	
Signature:	5 Suran D	
	Millen, White, Zelano & Branigan, P.C. Attorneys at Law Arlington Courthouse Plaza 2200 Clarendon Boulevard   Suite 1400   Arlington VA 22201 Telephone: 703.243.6333   Fax: 703.243.6410 Email: mail@mwzb.com	

Effective, September 16, 2012

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	This declaration	The attached application, or
	is directed to:	United States Application or PCT International Application number 16/135,566 filed on September 19, 2018
	The above-identifi	ed application was made or authorized to be made by me.
	I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.
	AND WHEREAS	Joint inventor of a claimed invention in the application.
	moreous any and a	ARKEMA FRANCE  420 rue d'Estienne d'Orves  92700 Colombes  FRANCE  to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and bove, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, il renewals, reissues, reexaminations and extensions thereof.
	and all Letters Pater thereof, and in and to accrue with respectivention, SAID AS including any and all which may be granter right to sue for dama arising from or appearenewals, reissues, referescentatives, in as enjoyed the same, if	TINESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive ast in and to said invention and patent(s), including any and all divisions and continuations thereof, and any to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or carried to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said legal representatives to have, hold, exercise, and enjoy said invention and patent, at therefor, including any and all renewals, reissues, reexaminations thereof, any and all Letters Patent therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the training thereto, for and during the term or terms of any and all such Letters Patent, including any and all ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and the assignment had not been made.
	execute any other par	GNOR hereby agrees to execute all papers that may be necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to east that may be needed in connection with securing Letters Patents thereon.
	AND ASSI any and all divisions	GNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance because
		gned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the nower to insert on this
		IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
	I hereby ack fine or imprisonment of	nowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by if not more than five (5) years, or both.
-	LEGAL NAME OF IN	VENTOR
		m PACUED
	Signature:	Marked! Date: 18/November/9018
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Millen, White, Zelano & Branigan, P.C. Attorneys at Law Arlington Courthouse Plaza Endon Boulevard | Suite 1400 | Arlington VA

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Effective, September 16, 2012

PATENT REEL: 047942 FRAME: 0288

**RECORDED: 01/09/2019**