505205587 11/27/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5252355

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FRÉDÉRIC MALET	11/20/2018
MATHIEU SABARD	11/21/2018
PHILIPPE BLONDEL	11/20/2018
YVES DEYRAIL	11/20/2018

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:	16302328

CORRESPONDENCE DATA

Fax Number: (703)836-7419

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.

Email: denise.williams@bipc.com

BUCHANAN INGERSOLL & ROONEY PC Correspondent Name:

Address Line 1: 1737 KING STREET

Address Line 2: SUITE 500

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	0078840-000360
NAME OF SUBMITTER:	DENISE WILLIAMS
SIGNATURE:	/Denise Williams/
DATE SIGNED:	11/27/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

source=Executed-Combined-Dec-Assignment#page1.tif

PATENT REEL: 047588 FRAME: 0622

505205587

source=Executed-Combined-Dec-Assignment#page2.tif
source=Executed-Combined-Dec-Assignment#page3.tif
source=Executed-Combined-Dec-Assignment#page4.tif

PATENT REEL: 047588 FRAME: 0623

COMBINED DECLARATION AND ASSIGNMENT (JOINT)

As one of the below named inventors, I hereby declare that this Combined Declaration and Assignment is directed to:

- (1)

 U.S. application number or PCT application number PCT/FR2017/051192 filed on May 17, 2017, entitled TRANSPARENT IMPACT-RESISTANT CONFOSITION; or
- (2) The attached application entitled TRANSPARENT IMPACT-RESISTANT COMPOSITION.

DECLARATION

As one of the below named inventors, I further declare that

The above-identified application was made or authorized to be made by me.

I believe that I am an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby activiowledge 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.

ASSIGNMENT

THIS ASSIGNMENT, by the undersigned inventors (hereinalter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements set forth in an application for Letters Patent of the United States, which is a nonprovisional application;

WHEREAS, Arkema France, a corporation duly organized under and pursuant to the laws of <u>France</u> and having a principal place of business at <u>420 rue of Estienne of Orves 92700 Colombes</u> France (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions.

Rateman Ingervol & Rooney rc

Page 1 of 2

and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reiscouse and extensions of caid Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and onjoyed by the Assignors had this cate and satignment not been made;

AND for the same consideration, the Assignors hereby coverant and agree to and with the Assignee, its successors, legal representatives, and assigne, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the antire right, title, and interest in and in the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the ease are unencombered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignes, its successors, legal representatives, and assigns that the Assignors will, whenever counset of the Assignes, or the counset of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceedings, is favilial and desirable, or that any application obsiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any rescue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful ooths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patents for Said inventions, without charge to the Assignes, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any end all seld Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

<u> 2014/2000</u>	MALET, Frédéric	
Data	Navo	Tipo de la constitución de la co
	SASARO, Merbeca	
Cate	Name	Signature L
20/11/2018 Date	BLONDEL, Philippe Name	Signature
gara ini in amama a sama a saga aga a saga aga a saga a	DEYRAIL, Vves	
Date	Name	Signature

and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-inpart of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

	MALET, Frédéric	
Date	Name	Signature
21 11 18	SABARD, Mathieu	
Date	Name C	Signature
	BLONDEL, Philippe	
Date	Name	Signature
	DEYRAIL, Yves	
Date	Name	Signature

PATENT REEL: 047588 FRAME: 0626 and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-inpart of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

Date	MALET, Frédéric Name	
	· vacro	Signature
Date	SABARD, Mathieu Name	0
	VVNCSCO	Signature
**************************************	BLONDEL, Philippe	
Date	Name	Signature
<u> 2111/4618 </u>	DEYRAIL, Yves	a construction of the second s
Date	Name	Signature

Page 2 of 2