506947307 10/28/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6994144

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOSHUA M. FISHMAN	04/02/2021
JEFFREY P. KALISH	03/29/2021
CAITLIN E. MEREE	03/29/2021
QIN LIN	03/29/2021
NICHOLAS K. LEE	03/30/2021
LI YAO	04/08/2021
RAJDEEP S. KALGUTKAR	03/29/2021
DUY K. LEHUU	03/30/2021
DAVID T. AMOS	03/29/2021

RECEIVING PARTY DATA

Name:	3M INNOVATIVE PROPERTIES COMPANY
Street Address:	P.O. BOX 33427
City:	ST. PAUL
State/Country:	MINNESOTA
Postal Code:	55133-3427

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17607144

CORRESPONDENCE DATA

Fax Number: (651)736-3833

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: 651-733-1500

Email: cmwagner01@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: PO BOX 33427

Address Line 4: ST. PAUL, UNITED STATES 55133-3427

ATTORNEY DOCKET NUMBER:	81828US007
NAME OF SUBMITTER:	COLLEEN M. WAGNER

PATENT 506947307 REEL: 057946 FRAME: 0373

SIGNATURE:	/Colleen M. Wagner/
DATE SIGNED:	10/28/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 9	·
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source=DeclarationAssignment_81828US007#page2.tif	
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Case No:

81828US

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

Compositions and Foam Compositions Containing Composite Particles, Articles, Composite Particles, and Methods		
The specification of which:		
is attached hereto;		
was filed on		
as United States Application No.		
is identified as PCT International Application No.	PCT/IB2020/055405	
filed on June 9, 2020		
The above-identified application was made or authorized to be made by r	me.	
hereby acknowledge that any willful false statement made in this declaration fine or imprisonment of not more than 5 years, or both.	ation is punishable under 18 U.S.C. 1001 by	
In addition, for good and valuable consideration, receipt of which is ackno	owledged, I have agreed to assign and transfer	

In addition, for good and valuable consideration, receipt of which is acknowledged, I have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me had this assignment and transfer not been made;

I do further agree for myself and for my heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and

I do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

Legal Name of Inventor:	
Joshua M. Fishman	
Inventor's Signature:	Date:
DocuSigned by:	4/2/2021
Joshua M. Fishman	
89980BEFB97644C	

Case No:

81828US

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The specification of which:		
is attached hereto;		
was filed on		
as United States Application No.		
is identified as PCT International Application filed on June 9, 2020	n No.	PCT/IB2020/055405
The above-identified application was made or auth	norized to be made	by me.
hereby acknowledge that any willful false statemo		claration is punishable under 18 U.S.C. 1001 by
assigns, the entire right, title, and interest in and to continuation (in whole or in part) of said application by me or made jointly with others (provided any subtermination of, my employment with 3M COMPAN all Letters Patent, reexaminations, reissues, or extituents (including the right to apply for Letters Paterown name and to claim any priority rights for such international conventions, treaties, or otherwise), vecontinuation (in whole or in part), renewal, reexample part upon the said invention or improvements there have been by me had this assignment and transfer do further agree for myself and for my heirs, executions and further applications, assignment	aving its principal of the said invention in, and in and to any ich improvement is Y and any of its existensions thereof, of ent, Utility Models, of foreign applications which have been or ination, reissue, or eon, to be held and r not been made; cutors, and administs, and documents,	and application, and in and to any division or and all improvements in the said invention made made during, or within one year after the sting or future subsidiaries), and in and to any and the United States of America and countries foreign representations. Certificates in foreign countries in its to which such applications are entitled under may be granted thereon or on any divisional, other or further application based in whole or in enjoyed as fully and exclusively as they would trators, to execute and deliver without further and to perform such other acts as I lawfully may,
that may be deemed necessary by said Company, and interest as aforesaid and to obtain or maintain countries; and		signs, and nominees, fully to secure its right, title, lity Models, or Inventors' Certificates in any and all
do hereby authorize and request the Commission granted upon any of the said applications, to said stitle, and interest therein.		ue any and all Letters Patent which may be erties Company, as the assignee of the entire right
Legal Name of Inventor:		
Jeffrey P. Kalish		
Inventor's Signature:	Date:	
DocuSigned by:		3/29/2021

Legal Name of Inventor:

Caitlin E. Meree
Inventor's Signature:

--DocuSigned by:

Caitlin E. Merce -FD10D538B5E0440...

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)

Case No:

81828US

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

Composition	s and Foam Compositions Containing Composite Particles, and M	
The specification of which	ch:	
is attached hereto	y;	
was filed on as United States /	Application No.	
is identified as PC filed on	T International Application No. June 9, 2020	PCT/IB2020/055405
The above-identified app	plication was made or authorized to be made by r	ne.
In addition, for good and and do hereby assign ar 3M COMPANY, and a c assigns, the entire right, continuation (in whole or by me or made jointly witermination of, my emplor all Letters Patent, reexa thereto (including the rigown name and to claim international convention continuation (in whole or part upon the said invenhave been by me had the I do further agree for my consideration any furthe that may be deemed neand interest as aforesaid countries; and	nat any willful false statement made in this declaration more than 5 years, or both. It valuable consideration, receipt of which is acknown that the same interest in the same interest in the same invention and in the said invention and in part) of said application, and in and to any and it others (provided any such improvement is made on the said invention and in part) of said application, and in and to any and it others (provided any such improvement is made on the same in part) of said application, and any of its existing minations, reissues, or extensions thereof, of the said to apply for Letters Patent, Utility Models, or In any priority rights for such foreign applications to so, treaties, or otherwise), which have been or may rin part), renewal, reexamination, reissue, or otherwise in part), renewal, reexamination, reissue, or otherwise assignment and transfer not been made; assignment and transfer not been made; assignments, and documents, and documents, and documents, and documents, and documents, and and to obtain or maintain Letters Patent, Utility In and request the Commissioner of Patents to issue a said applications, to said 3M Innovative Properties.	owledged, I have agreed to assign and transfer IES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and I application, and in and to any division or drall improvements in the said invention made de during, or within one year after the ground or future subsidiaries), and in and to any and United States of America and countries foreign eventors' Certificates in foreign countries in its which such applications are entitled under y be granted thereon or on any divisional, error further application based in whole or in oyed as fully and exclusively as they would ones, to execute and deliver without further I to perform such other acts as I lawfully may, s, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and any and all Letters Patent which may be

Date:

3/29/2021

-89785F3349154AB..

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)

Case No:

81828US

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

Composition	ns and Foam Compositions C Composite Partic		Composite Particles, Articles, ethods
The specification of whi	ch:		
is attached hereto) ;		
was filed on as United States	Application No.		
as Officed States	дрисацоп 140.		
is identified as PC filed on	T International Application No. June 9, 2020		PCT/IB2020/055405
The above-identified ap	plication was made or authorized to l	be made by m	e.
	nat any willful false statement made i not more than 5 years, or both.	n this declarat	tion is punishable under 18 U.S.C. 1001 by
assigns, the entire right continuation (in whole or one or made jointly we termination of, my emplall Letters Patent, reexact thereto (including the rigown name and to claim international convention continuation (in whole or part upon the said invertance been by me had the	corporation of Delaware, having its proporation, title, and interest in and to the said in it in part) of said application, and in a rith others (provided any such improve oyment with 3M COMPANY and any aminations, reissues, or extensions the part to apply for Letters Patent, Utility any priority rights for such foreign apply, treaties, or otherwise), which have any in part, renewal, reexamination, renewal, resamination, renewal, assignment and transfer not been	incipal office a nvention and a nd to any and ement is made of its existing tereof, of the L Models, or Inventions to we been or may issue, or other held and enjo made;	or future subsidiaries), and in and to any and Jnited States of America and countries foreign rentors' Certificates in foreign countries in its which such applications are entitled under be granted thereon or on any divisional, or further application based in whole or in yed as fully and exclusively as they would
consideration any furthe that may be deemed ne	er applications, assignments, and doc cessary by said Company, its succes	cuments, and t ssors, assigns	rs, to execute and deliver without further to perform such other acts as I lawfully may, , and nominees, fully to secure its right, title, lodels, or Inventors' Certificates in any and all
	said applications, to said 3M Innova		ny and all Letters Patent which may be s Company, as the assignee of the entire right
Legal Name of Inven	tor:		
Qin Lin			
Inventor's Signature:		Date:	
DocuSigned by:		3,	/29/2021
an lin			

Case No:

81828US

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

Compositions and Foam Compositions Containing Composite Particles, Articles, Composite Particles, and Methods		
The specification of which:		
is attached hereto;		
was filed on as United States Application No.		
is identified as PCT International Application No. filed on June 9, 2020	PCT/IB2020/055405	
The above-identified application was made or authorized to be ma	ide by me.	

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 5 years, or both.

In addition, for good and valuable consideration, receipt of which is acknowledged. I have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me had this assignment and transfer not been made;

I do further agree for myself and for my heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and

I do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

Legal Name of Inventor:	
Nicholas K. Lee	
Inventor's Signature:	Date:
Ndulas k. lu	3/30/2021

Case No:

81828US

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

Composition			Composite Particles, Articles,
	Composite Partic	les, and Me	ethods
The specification of whi	ch:		
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as United States Application No.		_	
is identified as PC	OT International Application No. June 9, 2020		PCT/IB2020/055405
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	hat any willful false statement made i not more than 5 years, or both.	n this declarat	ion is punishable under 18 U.S.C. 1001 by
and do hereby assign a 3M COMPANY, and a cassigns, the entire right continuation (in whole oby me or made jointly watermination of, my emplall Letters Patent, reexathereto (including the rigown name and to claim international convention continuation (in whole opart upon the said inver	nd transfer unto the 3M INNOVATIVE corporation of Delaware, having its proporation of Delaware, having its proporation, and interest in and to the said in in part) of said application, and in a with others (provided any such improve oyment with 3M COMPANY and any aminations, reissues, or extensions the part of apply for Letters Patent, Utility any priority rights for such foreign apply, treaties, or otherwise), which have in part), renewal, reexamination, re	E PROPERTIE incipal office a nvention and and to any and ement is made of its existing ereof, of the Lambell and enjo	vledged, I have agreed to assign and transfer ES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or all improvements in the said invention made e during, or within one year after the or future subsidiaries), and in and to any and United States of America and countries foreign rentors' Certificates in foreign countries in its which such applications are entitled under be granted thereon or on any divisional, or further application based in whole or in yed as fully and exclusively as they would
consideration any furthe that may be deemed ne	er applications, assignments, and doc cessary by said Company, its succes	cuments, and t ssors, assigns	rs, to execute and deliver without further to perform such other acts as I lawfully may, , and nominees, fully to secure its right, title, lodels, or Inventors' Certificates in any and all
	said applications, to said 3M Innova		ny and all Letters Patent which may be s Company, as the assignee of the entire righ
Logal Name of laws	tor:		
Legal Name of Invention Li Yao	lUI.		
Inventor's Signature:		Date:	
DocuSigned by:			/8/2021
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42706F81877A430	<u> </u>		

Case No:

81828US

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

Compositions and Foam Compositions Containing Composite Particles, Articles, Composite Particles, and Methods	
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on June 9, 2020	PCT/IB2020/055405
The above-identified application was made or authorized to be m	ade by me.

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

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 5 years, or both.

In addition, for good and valuable consideration, receipt of which is acknowledged. I have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me had this assignment and transfer not been made;

I do further agree for myself and for my heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and

I do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

Legal Name of Inventor:	
Rajdeep S. Kalgutkar	
Inventor's Signature:	Date:
Rydup S. Kalgutkar	3/29/2021

Case No:

81828US

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	e said applications, to said 3M Innov		ny and all Letters Patent which may be s Company, as the assignee of the entire righ
Legal Name of Inven	tor:		
Duy K. Lehuu		Date:	
Inventor's Signature:		Date:	

PATENT REEL: 057946 FRAME: 0382

3/30/2021

Case No:

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is attached hereto;		
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Legal Name of Inventor:	
David T. Amos	
Inventor's Signature:	Date:
David t. Amos	3/29/2021
Vama L. Amos ——DAF1F1444082477	