## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5523410

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
WILLIAM W. MERRILL	03/13/2019
JEFFREY P. KALISH	03/19/2019
JACOB D. YOUNG	05/01/2019
RAMESH C. KUMAR	02/21/2019
SONJA S. MACKEY	02/22/2019
KANTA KUMAR	03/06/2019
ADAM R. WOHL	02/25/2019
DAVID J. KINNING	03/18/2019
MICHAEL D. CRANDALL	02/21/2019
IGNATIUS A. KADOMA	05/10/2019

#### **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:	16461013

#### **CORRESPONDENCE DATA**

Fax Number:

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 tlemke2@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: P.O. BOX 33427

Address Line 4: ST. PAUL, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER: 78623US006

PATENT REEL: 049180 FRAME: 0504

505476606

NAME OF SUBMITTER:	TERI M. LEMKE		
SIGNATURE:	/Teri M. Lemke/		
DATE SIGNED:	05/15/2019		
	This document serves as an Oath/Declaration (37 CFR 1.63).		
Total Attachments: 11			
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source=Assignment_78623US006#page2.tif			
source=Assignment_78623US006#page3.tif			
source=Assignment_78623US006#page4.tif			
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Case No:

78623US006

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 :		tic Acid Polymer and Copolymer Comprising Alkyl Moiety
The specification of	which:	
is attached her	reto;	
was filed on as United State	es Application No.	
is identified as filed on	PCT International Application No.  November 29, 2017	PCT/US2017/06355
The above-identified	d application was made or authorized	to be made by me.
I hereby acknowled fine or imprisonmen	ge that any willful false statement mad at of not more than 5 years, or both.	le in this declaration is punishable under 18 U.S.C. 1001 by
and do hereby assig 3M COMPANY, and assigns, the entire recontinuation (in who by me or made joint termination of, my eall Letters Patent, rethereto (including thown name and to clinternational convercontinuation (in who part upon the said in have been by me have	In and transfer unto the 3M INNOVAT a corporation of Delaware, having its right, title, and interest in and to the sail of or in part) of said application, and in the with others (provided any such impression of the provided and such impressions of extensions of the provided and the apply for Letters Patent, Utilical aim any priority rights for such foreign ations, treaties, or otherwise), which have or in part), renewal, reexamination, need this assignment and transfer not be additionally and the provided the sassignment and transfer not be	
consideration any fu that may be deemed	urther applications, assignments, and o d necessary by said Company, its succ	and administrators, to execute and deliver without further documents, and to perform such other acts as I lawfully may, cessors, assigns, and nominees, fully to secure its right, title, Patent, Utility Models, or Inventors' Certificates in any and all
do hereby authoriz granted upon any of litle, and interest the	f the said applications, to said 3M Inno	atents to issue any and all Letters Patent which may be wative Properties Company, as the assignee of the entire right
Legal Name of Invi	entor:	
William W. Mei	7 P 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	***************************************
Inventor's Signatur	·e:	Date:
William W.	1 Kind	3/13/2019

Case No:

78623US006

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 and	d Films Comprising Polylact Long Chain		ymer and Copolymer Comprising
The specification of wh	ich;	<del></del>	
is attached hereto	Ç.		
was filed on as United States	Application No.		
is identified as PC filed on	T International Application No. November 29, 2017		PCT/US2017/06355
The above-identified a	oplication was made or authorized to	be made by	me.
	that any willful false statement made f not more than 5 years, or both.	in this declar	ation is punishable under 18 U.S.C. 1001 by
and do hereby assign a 3M COMPANY, and a assigns, the entire righ continuation (in whole by me or made jointly watermination of, my emp all Letters Patent, reex thereto (including the nown name and to claim international convention continuation (in whole part upon the said invertion of the said invertion of the said invertion in the said invertion of the said inv	and transfer unto the 3M INNOVATIVE corporation of Delaware, having its part, title, and interest in and to the said or in part) of said application, and in with others (provided any such improvingment with 3M COMPANY and an aminations, reissues, or extensions ight to apply for Letters Patent, Utility in any priority rights for such foreign ans, treaties, or otherwise), which have or in part), renewal, reexamination, rention or improvements thereon, to be this assignment and transfer not bee	VE PROPERT orincipal office invention and and to any and to any and to existing thereof, of the y Models, or lapplications to been or mare issue, or other held and enter made;	owledged, I have agreed to assign and transfer IES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and d application, and in and to any division or d all improvements in the said invention made de during, or within one year after the g 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 by be granted thereon or on any divisional, er or further application based in whole or in joyed as fully and exclusively as they would
consideration any furth that may be deemed n	er applications, assignments, and de ecessary by said Company, its succ	ocuments, and essors, assigr	ors, to execute and deliver without further it to perform such other acts as I lawfully may, is, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all
I do hereby authorize a granted upon any of th title, and interest there	e said applications, to said 3M Innov	tents to issue rative Properti	any and all Letters Patent which may be es Company, as the assignee of the entire righ
Legal Name of Invent	or:		
Jeffrey P. Kalish			
Inventor's Signature:		Date:	
	and the second		3/161

Case No:

78623US006

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 an	d Films Comprising Polylacti Long Chain <i>i</i>		ymer and Copolymer Comprising y
The specification of wh	nich:	· · · · · · · · · · · · · · · · · · ·	
is attached hereto	<b>)</b> ;.		
was filed on as United States	Application No.		
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The above-identified a	pplication was made or authorized to	be made by r	me.
	that any willful false statement made f not more than 5 years, or both.	in this declar	ation is punishable under 18 U.S.C. 1001 by
and do hereby assign as GOMPANY, and a assigns, the entire right continuation (in whole by me or made jointly termination of, my empall Letters Patent, reexthereto (including the rown name and to clain international convention continuation (in whole part upon the said invelopment been by me had I do further agree for monsideration any furth that may be deemed nearly and the said invelopment in the said invelopm	and transfer unto the 3M INNOVATIVE corporation of Delaware, having its pot, title, and interest in and to the said or in part) of said application, and in with others (provided any such improployment with 3M COMPANY and any caminations, reissues, or extensions tright to apply for Letters Patent, Utility in any priority rights for such foreign a ons, treaties, or otherwise), which have or in part), renewal, reexamination, restriction or improvements thereon, to be this assignment and transfer not been expected and for my heirs, executors, and detecessary by said Company, its successions.	/E PROPERT principal office invention and and to any and vement is made y of its existing thereof, of the Models, or Insplications to been or male held and enjurable and enjurable and administrate ocuments, and essors, assign	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 d all improvements in the said invention made de during, or within one year after the g 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, er or further application based in whole or in oyed as fully and exclusively as they would one, to execute and deliver without further it 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 all
	ne said applications, to said 3M Innov		any and all Letters Patent which may be es Company, as the assignee of the entire right
Legal Name of Inven	tor:		
Jacob D. Young			
Inventor's Signature:		Date:	
4/4		5/	1/2019

Case No:

78623US006

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 and		etic Acid Polymer and Copolymer Comprising  Alkyl Moiety
The specification of wh	ich:	
is attached hereto	;	
was filed on as United States	Application No.	
is identified as PC filed on	T International Application No. November 29, 2017	PCT/US2017/06355
The above-identified a	oplication was made or authorized to	to be made by me.
fine or imprisonment of In addition, for good an	not more than 5 years, or both.  d valuable consideration, receipt of	le in this declaration is punishable under 18 U.S.C. 1001 by  f which is acknowledged, I have agreed to assign and transfer  IVE PROPERTIES COMPANY, a wholly-owned subsidiary of
assigns, the entire right continuation (in whole of the principle) by me or made jointly value of the principle of the princi	t, title, and interest in and to the said or in part) of said application, and in with others (provided any such improloyment with 3M COMPANY and araminations, reissues, or extensions ght to apply for Letters Patent, Utility any priority rights for such foreign ans, treaties, or otherwise), which have in part), renewal, reexamination, intion or improvements thereon, to be his assignment and transfer not been	
consideration any furthe that may be deemed ne	er applications, assignments, and decessary by said Company, its succ	and administrators, to execute and deliver without further documents, and to perform such other acts as I lawfully may, cessors, assigns, and nominees, fully to secure its right, title, Patent, Utility Models, or Inventors' Certificates in any and all
l do hereby authorize a granted upon any of the title, and interest therei	e said applications, to said 3M Innov	atents to issue any and all Letters Patent which may be vative Properties Company, as the assignee of the entire righ
Legal Name of Invento	Dr:	
Ramesh C. Kuma	r	
Inventor's Signature:	C. Keimar RCDeemar	Date: 02-21-2019

Case No:

78623US006

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 and	d Films Comprising Polylact Long Chain			mprising
The specification of wh	nich:			
is attached hereto	);			
was filed on as United States	Application No.			
N water	STILLAND AFTER AT 15 (S. A.)			
filed on	T International Application No. November 29, 2017		PCT/US2017/06355	
I hereby acknowledge	oplication was made or authorized to that any willful false statement made f not more than 5 years, or both	•		S.C. 1001 by
and do hereby assign a 3M COMPANY, and a assigns, the entire right continuation (in whole do by me or made jointly was termination of, my empall Letters Patent, reexistereto (including the right own name and to claim international convention continuation (in whole coart upon the said invenave been by me had to do further agree for me consideration any further that may be deemed not and interest as aforesal countries; and	and valuable consideration, receipt of and transfer unto the 3M INNOVATI's corporation of Delaware, having its part, title, and interest in and to the said or in part) of said application, and in with others (provided any such imprologment with 3M COMPANY and an aminations, reissues, or extensions ght to apply for Letters Patent, Utility any priority rights for such foreign and priority rights for such foreign and treaties, or otherwise), which have in part), renewal, reexamination, rention or improvements thereon, to be his assignment and transfer not been yself and for my heirs, executors, and decessary by said Company, its succeid and to obtain or maintain Letters I and request the Commissioner of Pares and applications, to said 3M Innovent.	VE PROPERT principal office of invention and and to any an exempt is many of its existing thereof, of the y Models, or Interpolications to we been or many en made; and administrate ocuments, and exsors, assign Patent, Utility I tents to issue a	IES COMPANY, a wholly-owner at Saint Paul, Minnesota, its subdated application, and in and to any of all improvements in the said if de during, or within one year aftig or future subsidiaries), and in United States of America and conventors' Certificates in foreign of which such applications are entity be granted thereon or on any error further application based in oyed as fully and exclusively as ors, to execute and deliver without to perform such other acts as I so and nominees, fully to secure Models, or Inventors' Certificates any and all Letters Patent which	d subsidiary of ccessors and division or evention made er the and to any and countries foreign countries in its countries in its citled under divisional, a whole or in they would but further lawfully may, a its right, title, is in any and all may be
Legal Name of Invento	or:		****	
Sonja S. Mackey				
Inventor's Signature:	Machie	Date: 2-,	/22/2019	

Case No:

78623US006

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 an	d Films Comprising Polylact Long Chain		ymer and Copolymer Comprising y
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is attached hereto	<b>)</b> ;		
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The above-identified a	pplication was made or authorized to	be made by i	me,
In addition, for good a and do hereby assign 3M COMPANY, and a assigns, the entire right continuation (in whole by me or made jointly termination of, my emall Letters Patent, reexthereto (including the own name and to clair international conventionation (in whole part upon the said invehave been by me had I do further agree for reconsideration any furtithat may be deemed rand interest as afores countries; and	and transfer unto the 3M INNOVATI' corporation of Delaware, having its part, title, and interest in and to the said or in part) of said application, and in with others (provided any such improployment with 3M COMPANY and arkaminations, reissues, or extensions right to apply for Letters Patent, Utility any priority rights for such foreign and priority rights for such foreign and the part), renewal, reexamination, the ention or improvements thereon, to be this assignment and transfer not be entioned and for my heirs, executors, and and and to obtain or maintain Letters and request the Commissioner of Pate said applications, to said 3M Innovina.	VE PROPERT principal office d invention and and to any an exement is many of its existin thereof, of the y Models, or Ir applications to ve been or mareissue, or other held and enjen made; and administratiocuments, and essors, assign Patent, Utility atents to issue	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 d all improvements in the said invention made de during, or within one year after the g 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, are or 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 all any and all Letters Patent which may be as Company, as the assignee of the entire righ
Kanta Kumar			
Inventor's Signature:		Date:	
 	OV.	3	6/2019

Case No:

78623US006

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 and Films	Comprising Polylactic Ac Long Chain Alkyl	cid Polymer and Copolymer Comprising  I Moiety	
The specification of which:			
is attached hereto;		·	
was filed on as United States Application	ı No.		
is identified as PCT Internat	ional Application No. er 29, 2017	PCT/US2017/06355	
The above-identified application	was made or authorized to be m	nade by me.	
fine or imprisonment of not more	than 5 years, or both.	is declaration is punishable under 18 U.S.C. 1001 by is acknowledged, I have agreed to assign and transf	
3M COMPANY, and a corporatio assigns, the entire right, title, and continuation (in whole or in part) by me or made jointly with others termination of, my employment wall Letters Patent, reexaminations thereto (including the right to appown name and to claim any priori international conventions, treaties continuation (in whole or in part), part upon the said invention or in have been by me had this assign	n of Delaware, having its principal interest in and to the said inversof said application, and in and to provided any such improvements and COMPANY and any of its pressues, or extensions thereonly for Letters Patent, Utility Modity rights for such foreign applicate, or otherwise), which have been renewal, reexamination, reissue approvements thereon, to be held ment and transfer not been made		ile Ind Igr
consideration any further applicat that may be deemed necessary b	tions, assignments, and docume by said Company, its successors	ministrators, to execute and deliver without further ents, and to perform such other acts as I lawfully may s, assigns, and nominees, fully to secure its right, title t, Utility Models, or Inventors' Certificates in any and	٠.
I do hereby authorize and reques granted upon any of the said app title, and interest therein.	t the Commissioner of Patents t lications, to said 3M Innovative	o issue any and all Letters Patent which may be Properties Company, as the assignee of the entire ric	jht
Legal Name of Inventor:	770		
Adam R. Wohl			
Inventor's Signature:	Date	2/25/2019	

DEC	LARA	MOITA	AND	ASS	IGNM	ENT,
	FOR	UTIL	TY OF	RDE	SIGN	
PATE	NT AF	PLIC	ATION	1 (37	CFR	§ 1.63)

Case No:

78623US006

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 ar	nd Films Comprising Polylacti Long Chain A		ymer and Copolymer Comprising  y
The specification of w	/hich:		
is attached here	to;		
was filed on as United States	Application No.		
is identified as F	CT International Application No. November 29, 2017		PCT/US2017/06355
The above-identified	application was made or authorized to	be made by	me.
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and do hereby assign 3M COMPANY, and assigns, the entire rig continuation (in whole by me or made jointly termination of, my en all Letters Patent, resthereto (including the own name and to clainternational convent continuation (in whole part upon the said invented in the said inve	a and transfer unto the 3M INNOVATIVE a corporation of Delaware, having its part, title, and interest in and to the said a or in part) of said application, and in a with others (provided any such improved any such for such foreign a signal to apply for Letters Patent, Utility im any priority rights for such foreign a signal to part), renewal, reexamination, respectively.	re PROPERT information and to any an every and to any an every and to any an every and to any any of its existing hereof, of the Models, or in polications to been or making and ended and ended in the held and ended in the every and the ever	owledged, I have agreed to assign and transfer IES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or d all improvements in the said invention made de during, or within one year after the g 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 by be granted thereon or on any divisional, er or further application based in whole or in joyed as fully and exclusively as they would
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I do hereby authorize granted upon any of title, and interest the	the said applications, to said 3M Innov	ents to issue ative Properti	any and all Letters Patent which may be es Company, as the assignee of the entire right
Legal Name of Inve	ntor:		
David J. Kinnin	g		
Inventor's Signature	): ./1	Date:	
Durel	1/2	3/	8-19

Case No:

78623US006

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 and Films Comprising Polylactic Acid Polymer and Copolymer Comprising Long Chain Alkyl Moiety

The specification of	which:		
is attached heret	о;		
was filed on as United Sta	tes Application No.		
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The above-identified application was made or authorized to be made 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:  Michael D. Crandall	
Inventor's Signature:  Which D. Cull	Date: FEB. 21, 2019

Case No:

78623US006

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 ar	nd Films Comprising Polylactic Long Chain A	c Acid Polymer and Copolymer Comprisir likyl Moiety	ıg
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is attached here!	ro;		
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do hereby authorize	and request the Commissioner of Pater ne said applications, to said 3M Innovat	nts to issue any and all Letters Patent which may be tive Properties Company, as the assignee of the entir	
Legal Name of Inven	tor-		7
Ignatius A. Kado	•		
Inventor's Signature:		Date: 5 / 10 / 19	

PATENT REEL: 049180 FRAME: 0516

**RECORDED: 05/15/2019**