505183321 11/09/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5230090

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEFFREY N. BARTOW	08/31/2018
CARSTEN FRANKE	07/31/2018
ROBIN E. WRIGHT	07/31/2018
FEE ZENTIS	08/03/2018
KLAUS HINTZER	08/01/2018
GABRIELE H. GOTTSCHALK-GAUDIG	08/10/2018
BERND GANGNUS	07/31/2018
MALTE KORTEN	09/14/2018
GALLUS SCHECHNER	09/03/2018
WOLFGANG NEUMANN	08/02/2018

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:	16071819

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: nsconway@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: P.O. BOX 33427

Address Line 4: SAINT PAUL, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER: 77338US010

PATENT REEL: 047460 FRAME: 0045

505183321

NAME OF SUBMITTER:	NICOLE S. CONWAY		
SIGNATURE:	/Nicole S. Conway/		
DATE SIGNED: 11/09/2018			
This document serves as an Oath/Declaration (37 CFR 1.63).			
Total Attachments: 10			
source=Declaration_Assignmen	t_JeffreyBartow_77338US010#page1.tif		
source=Declaration Assignment CarstenFranke 77338US010#page1.tif			

source=Declaration_Assignment_RobinWright_77338US010#page1.tif

source=Declaration_Assignment_FeeZentis_77338US010#page1.tif

source=Declaration_Assignment_KlausHintzer_77338US010#page1.tif

source=Declaration_Assignment_GabrieleGottschalkGaudig_77338US010#page1.tif

source=Declaration_Assignment_BerndGangnus_77338US010#page1.tif

source=Declaration_Assignment_MalteKorten_77338US010#page1.tif

source=Declaration_Assignment_GallusS_77338US010#page1.tif

source=Declaration Assignment WolfgangNeumann 77338US010#page1.tif

Case No:

77338US010

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:

	ADDITIVE PROCESSING OF	FLUOROPOLYMERS
The specifical	tion of which:	
☐ is attach	ed hereto;	
	on JULY 20, 2018 d States Application No.	16/071,819
is identifi iled on	ied as PCT International Application No. JANUARY 19, 2017	PCT/US2017/014156

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:		
JEFFREY N. BARTOW		
Inventor's Signature	Date: August	31 st , 2018

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

Case No:

77338US010

As a below named inventor, I believe I am a	in original inventor or a	an original joint	inventor of a	claimed i	invention in t	he
application and for which a patent is sought						

	ADDITIVE PROCESSING O	FLUOROPOLYMERS
The specification of	which:	
is attached her	eto;	
was filed on as United State	JULY 20, 2018 es Application No.	16/071.819
is identified as filed on	PCT International Application No. [JANUARY 19, 2017]	PCT/US2017/014156
The above-identified	d application was made or authorized to b	made by me.
	ge that any willful false statement made in It of not more than 5 years, or both.	this declaration is punishable under 18 U.S.C. 1001 by
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 dinternational convercentinuation (in who part upon the said in have been by me ho	I a corporation of Delaware, having its pringht, title, and interest in and to the said in ole or in part) of said application, and in an titly with others (provided any such improve employment with 3M COMPANY and any decaminations, reissues, or extensions the right to apply for Letters Patent, Utility Naim any priority rights for such foreign appartions, treaties, or otherwise), which have be or in part), renewal, reexamination, reisponding or improvements thereon, to be had this assignment and transfer not been to	
consideration any fu	inther applications, assignments, and doci dinecessary by said Company, its succes	administrators, to execute and deliver without further iments, and to perform such other acts as I lawfully may, sors, assigns, and nominees, fully to secure its right, title, tent, Utility Models, or Inventors' Certificates in any and all
I do hereby authoriz granted upon any o title, and interest the	if the said applications, to said 3M innovat	its to issue any and all Letters Patent which may be ve Properties Company, as the assignee of the entire righ
Legal Name of Inv	.eutor.	
CARSTEN FR		
Inventor's Signatu	re: Fac	7 / 31 / 18

Case No:

77338US010

As a below named inve application and for which	entor, I believe I am an original inve ch a patent is sought on the inventio	ntor or an ong on entitled:	ginal joint inventor of a claimed invention in the
	ADDITIVE PROCESSING	OF FLUOR	ROPOLYMERS
The specification of wh	ich:		
is attached hereto);		
⊠ was filed on	JULY 20, 2018		
as United States			16/071,819
is identified as PC	T International Application No. JANUARY 19, 2017		PCT/US2017/014616
The above-identified a	pplication was made or authorized to	o be made by i	me.
I hereby acknowledge fine or imprisonment o	that any willful false statement made f not more than 5 years, or both.	e in this declar	ration is punishable under 18 U.S.C. 1001 by
and do hereby assign a 3M COMPANY, 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 claim international convention continuation (in whole part upon the said invented been by me had	and transfer unto the 3M INNOVATI corporation of Delaware, having its at, title, and interest in and to the said or in part) of said application, and inwith others (provided any such imprologment with 3M COMPANY and attaininations, reissues, or extensions right to apply for Letters Patent, Utility any priority rights for such foreignors, treaties, or otherwise), which have in part), renewal, reexamination, ention or improvements thereon, to be this assignment and transfer not be	VE PROPERT principal office d invention and and to any an overnent is many of its existing thereof, of the ty Models, or light applications to ave been or many reissue, or other held and en made;	iowledged, I have agreed to assign and transfer ITES COMPANY, a wholly-owned subsidiary of a at Saint Paul, Minnesota, its successors and id application, and in and to any division or and all improvements in the said invention made ade during, or within one year after the ag or future subsidiaries), and in and to any and a United States of America and countries foreign inventors' Certificates in foreign countries in its owhich such applications are entitled under any be granted thereon or on any divisional, her or further application based in whole or in anjoyed as fully and exclusively as they would
consideration any furth	ner applications, assignments, and c necessary by said Company, its succ	documents, and cessors, assign	ators, to execute and deliver without further and to perform such other acts as I lawfully may, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all
I do hereby authorize granted upon any of the title, and interest there	ne said applications, to said 3M Inno	atents to issue wative Propert	e any and all Letters Patent which may be ties Company, as the assignee of the entire righ
Legal Name of Inven	tor		
ROBIN E. WRIGI			
Inventor's Signature:		Date:	
21.	5 111. A	Tola	31 2018

DECLARATION AND ASSIGNMENT,

Dec Jennis

PATENT APPLICATION (37 CFR § 1.63)	Case No:	77338US010
As a below named inventor, I believe I am an original inve application and for which a patent is sought on the invention		nventor of a claimed invention in the
ADDITIVE PROCESSING	OF FLUOROPOLY	MERS
The specification of which:		
is attached hereto;		
⊠ was filed on JULY 29, 2018		
as United States Application No.	16/071	819
is identified as PCT International Application No. filed on JANUARY 19, 2017	РСТ/	S2017/014156
The above-identified application was made or authorized to	o be made by me.	
I hereby acknowledge that any willful false statement made fine or imprisonment of not more than 5 years, or both. In addition, for good and valuable consideration, receipt of and do hereby assign and transfer unto the 3M INNOVATI 3M COMPANY, and a corporation of Delaware, having its assigns, the entire right, title, and interest in and to the said continuation (in whole or in part) of said application, and in by me or made jointly with others (provided any such improtermination of, my employment with 3M COMPANY and ar all Letters Patent, reexaminations, reissues, or extensions thereto (including the right to apply for Letters Patent, Utilit own name and to claim any priority rights for such foreign a international conventions, treaties, or otherwise), which has continuation (in whole or in part), renewal, reexamination, apart upon the said invention or improvements thereon, to be have been by me had this assignment and transfer not been	which is acknowledged, VE PROPERTIES COM principal office at Saint I dinvention and application and to any and all impropression of its existing or future thereof, of the United Sty Models, or Inventors' (applications to which such been or may be granterissue, or other or further held and enjoyed as for	I have agreed to assign and transfer PANY, a wholly-owned subsidiary of Paul, Minnesota, its successors and on, and in and to any division or overnents in the said invention made, or within one year after the a subsidiaries), and in and to any and ates of America and countries foreign countries in its chapplications are entitled under ted thereon or on any divisional, er application based in whole or in
I do further agree for myself and for my heirs, executors, as consideration any further applications, assignments, and d that may be deemed necessary by said Company, its succeand interest as aforesaid and to obtain or maintain Letters countries; and	nd administrators, to ex- ocuments, and to perfor essors, assigns, and no	m such other acts as I lawfully may, minees, fully to secure its right, title,
I do hereby authorize and request the Commissioner of Pa granted upon any of the said applications, to said 3M Innovitite, and interest therein.		
Legal Name of Inventor:		aannaannuuminuumaannuuminuuminin yhtyy e
FEE ZENTIS		
Inventor's Signature:	Date:	

Angust 318 2018

Case No:

77338US010

A STAN DAY BY A DESCRIPTION OF THE PROPERTY OF THE STAN DAY OF	G OF FLUOROPOLYMERS
The specification of which:	
is attached hereto;	
was filed on JULY 20, 2018	
as United States Application No.	16/071,819
is identified as PCT International Application No.	PCT/US2017/014156
filed on JANUARY 19, 2017	
The above-identified application was made or authorized	to be made by me.
I hereby acknowledge that any willful false statement ma- fine or imprisonment of not more than 5 years, or both.	de in this declaration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unto the 3M INNOVAT 3M COMPANY, and a corporation of Delaware, having its assigns, the entire right, title, and interest in and to the secontinuation (in whole or in part) of said application, and by me or made jointly with others (provided any such imptermination of, my employment with 3M COMPANY and all Letters Patent, reexaminations, reissues, or extension thereto (including the right to apply for Letters Patent, Utiliown name and to claim any priority rights for such foreign international conventions, treaties, or otherwise), which his continuation (in whole or in part), renewal, reexamination part upon the said invention or improvements thereon, to have been by me had this assignment and transfer not be	any of its existing or future subsidiaries), and in and to any and is thereof, of the United States of America and countries foreign iity Models, or Inventors' Certificates in foreign countries in its applications to which such applications are entitled under lave been or may be granted thereon or on any divisional, , reissue, or other or further application based in whole or in be held and enjoyed as fully and exclusively as they would sen made;
consideration any further applications, assignments, and that may be deemed necessary by said Company, its suc	and administrators, to execute and deliver without further documents, and to perform such other acts as I lawfully may, coessors, assigns, and nominees, fully to secure its right, title, s Patent, Utility Models, or Inventors' Certificates in any and all
I do hereby authorize and request the Commissioner of F granted upon any of the said applications, to said 3M Innitite, and interest therein.	Patents to issue any and all Letters Patent which may be ovative Properties Company, as the assignee of the entire right
Legal Name of Inventor: KLAUS HINTZER	

PATENT

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN

Case No:

77338US010

FAIENI AI	PLICATION (3/ CFK § 1.63)	
As a below named in application and for wh	ventor, I believe I am an original invento sich a patent is sought on the invention s	r or an original joint inventor of a claimed invention in the intitled:
	ADDITIVE PROCESSING O	FFLUOROPOLYMERS
The specification of w	hich:	
is attached here	ο;	
was filed on	JULY 20, 2018	
as United States	Application No.	16/071,819
☐ is identified as P filed on	CT International Application No. JANUARY 19, 2017	PCT/US2017/014156
The above-identified	application was made or authorized to be	e made by me.
fine or imprisonment of addition, for good a and do hereby assign 3M COMPANY, and assigns, the entire rig continuation (in whole by me or made jointly termination of, my em all Letters Patent, ree thereto (including the own name and to claim international conventional continuation (in whole part upon the said inv	of not more than 5 years, or both, and valuable consideration, receipt of when and transfer unto the 3M INNOVATIVE corporation of Delaware, having its princht, title, and interest in and to the said in or in part) of said application, and in an with others (provided any such improve ployment with 3M COMPANY and any oxaminations, reissues, or extensions the right to apply for Letters Patent, Utility Mm any priority rights for such foreign appons, treaties, or otherwise), which have the or in part), renewal, reexamination, reis	this declaration is punishable under 18 U.S.C. 1001 by ich is acknowledged, I have agreed to assign and transfer PROPERTIES COMPANY, a wholly-owned subsidiary of scipal office at Saint Paul, Minnesota, its successors and vention and application, and in and to any division or d to any and all improvements in the said invention made ment is made during, or within one year after the if its existing or future subsidiaries), and in and to any and reof, of the United States of America and countries foreign lodels, or Inventors' Certificates in foreign countries in its lications to which such applications are entitled under been or may be granted thereon or on any divisional, sue, or other or further application based in whole or in eld and enjoyed as fully and exclusively as they would nade;
consideration any furt	her applications, assignments, and docu	administrators, to execute and deliver without further iments, and to perform such other acts as I lawfully may, cors assigns and nominees fully to secure its right, title

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: GABRIELE H. GOTTSCHALK-GAUDIG	
Inventor's Signature:	10,08,2018

PATENT

REEL: 047460 FRAME: 0052

Case No:

77338US010

	ADDITIVE PROCESSING	G OF FLUOROPOLYMERS
The specification of	which:	
is attached here	eto;	
was filed on	JULY 20, 2018	
as United State	es Application No.	16/071,819
is identified as f filed on	PCT International Application No. JANUARY 19, 2017	PCT/US2017/814156
The above-identified	application was made or authorized	a be made by me.
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, ree thereto (including the own name and to clai international conventing	n and transfer unto the 3M INNOVAT a corporation of Delaware, having its ght, fitle, and interest in and to the saile or in part) of said application, and in y with others (provided any such improporate with 3M COMPANY and a examinations, reissues, or extensions right to apply for Letters Patent, Utilizations, treaties, or otherwise), which have	which is acknowledged, I have agreed to assign and transfer VE PROPERTIES COMPANY, a wholly-owned subsidiary of principal office at Saint Paul, Minnesota, its successors and d invention and application, and in and to any division or and to any and all improvements in the said invention made overment is made during, or within one year after the ty of its existing or future subsidiaries), and in and to any and thereof, of the United States of America and countries foreign y Models, or Inventors' Certificates in foreign countries in its applications to which such applications are entitled under ve been or may be granted thereon or on any divisional.
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consideration any furi hat may be deemed	ther applications, assignments, and a necessary by said Company, its suc-	nd administrators, to execute and deliver without further ocuments, and to perform such other acts as I lawfully may, essors, assigns, and nominees, fully to secure its right, title, Patent, Utility Models, or Inventors' Certificates in any and all
	the said applications, to said 3M Inno	tents to issue any and all Lefters Patent which may be rative Properties Company, as the assignee of the entire right.
***********	and the same of th	
Legal Name of Inver	ntor	

Case No:

77338US010

ADDIT	IVE PROCESSING O	FLUOROPOLYMERS
The specification of which:		
is attached hereto;		
was filed on JULY 20, as United States Application I	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	16/071,819
is identified as PCT Internation		PCT/US2017/014156
The above-identified application wa	as made or authorized to be	made by me.
I hereby acknowledge that any will fine or imprisonment of not more the		this declaration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer 3M COMPANY, and a corporation assigns, the entire right, title, and is continuation (in whole or in part) of by me or made jointly with others (termination of, my employment with all Letters Patent, reexaminations, thereto (including the right to apply own name and to claim any priority international conventions, treaties, continuation (in whole or in part), re-	unto the 3M INNOVATIVE of Delaware, having its printerest in and to the said in said application, and in an provided any such improve a 3M COMPANY and any oreissues, or extensions the for Letters Patent, Utility M rights for such foreign appor otherwise), which have the enewal, reexamination, reis rovements thereon, to be here.	ch is acknowledged, I have agreed to assign and transfer PROPERTIES COMPANY, a wholly-owned subsidiary of cipal office at Saint Paul, Minnesota, its successors and vention and application, and in and to any division or I to any and all improvements in the said invention made nent is made during, or within one year after the fits existing or future subsidiaries), and in and to any and reof, of the United States of America and countries foreign odels, or Inventors' Certificates in foreign countries in its ications to which such applications are entitled under seen or may be granted thereon or on any divisional, sue, or other or further application based in whole or in ald and enjoyed as fully and exclusively as they would hade;
consideration any further application that may be deemed necessary by	ons, assignments, and docu said Company, its success	administrators, to execute and deliver without further ments, and to perform such other acts as I lawfully may, ors, assigns, and nominees, fully to secure its right, title, ent, Utility Models, or Inventors' Certificates in any and all
		is to issue any and all Letters Patent which may be re Properties Company, as the assignee of the entire right.
Legal Name of Inventor:	***************************************	
MALTE KORTEN		***************************************
Inventor's Signature:	0	ate;
MALCA		144 4 Sept. 2013

Case No:

77338US010

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	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
ADDITIVE PROCESSING OF FLU	JOROPOLYMERS
The specification of which:	
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is identified as PCT International Application No. filed on JANUARY 19, 2017	PCT/US2017/014156
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that may be deemed necessary by said Company, its successors, as and interest as aforesaid and to obtain or maintain Letters Patent, Ut countries; and	signs, and nominees, fully to secure its right, title,
f do hereby authorize and request the Commissioner of Patents to is granted upon any of the said applications, to said 3M Innovative Prop title, and interest therein.	sue any and all Letters Patent which may be perties Company, as the assignee of the entire right.
Legal Name of Inventor:	
GALLUS SCHECHNER	
Inventor's Signature: Date:	43M 2018

have been by me had this assignment and transfer not been made;

RECORDED: 11/09/2018

Case No:

77338US010

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As a below named inventor, I be application and for which a pater		or an original joint inventor of a claimed invention in the itled:
ADE	ITIVE PROCESSING OF I	FLUOROPOLYMERS
The specification of which:		
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is identified as PCT Interna filed on JANUA	tional Application No. RY 19, 2017	PCT/US2017/014156
The above-identified application	was made or authorized to be n	nade by me.
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and do hereby assign and transf 3M COMPANY, and a corporation assigns, the entire right, title, and continuation (in whole or in part) by me or made jointly with others termination of, my employment vall Letters Patent, reexamination	er unto the 3M INNOVATIVE PR in of Delaware, having its princip d interest in and to the said inver of said application, and in and to a (provided any such improveme vith 3M COMPANY and any of it s, reissues, or extensions therec	is acknowledged, I have agreed to assign and transfer ROPERTIES COMPANY, a wholly-owned subsidiary of pal office at Saint Paul, Minnesota, its successors and intion and application, and in and to any division or or any and all improvements in the said invention made ent is made during, or within one year after the is existing or future subsidiaries), and in and to any and of, of the United States of America and countries foreign lels, or inventors' Certificates in foreign countries in its

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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

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.	
WOLFGANG NEUMANN	
Inventor's Signature:	Date: 2. 8. 2018

PATENT

REEL: 047460 FRAME: 0056