PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6932380

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CLAIRE HARTMANN-THOMPSON	01/13/2021
MARK J. PELLERITE	01/13/2021
MARINA M. KAPLUN	01/12/2021
JOHN C. THOMAS	01/21/2021

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:	17593703

CORRESPONDENCE DATA

Fax Number: (651)736-7586

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: 6517331500

Email: mmurphy7@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:	82029US004	
NAME OF SUBMITTER:	MICHELLE L. MURPHY	
SIGNATURE:	/Michelle L. Murphy/	
DATE SIGNED: 09/23/2021		
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 4

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Case No:

82029

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:

CATIONIC COPOLYMERS WITH PENDANT N-ALLYLIMIDAZOLIUM GROUPS		
The specification of which:		
is attached hereto;		
was filed on as United States Application No.		
is identified as PCT International Application No. filed on May 18, 2020	PCT/IB2020/054696	

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:	
Claire HARTMANN-THOMPSON	
Inventor's Signature:	Date: 01-13-202

Case No:

82029

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:

CATIONIC CO	OPOLYMERS WITH PENDA	ANT N-ALLY	LIMIDAZOLIUM GROUPS
The specification of which:			
is attached hereto;			
was filed on as United States App	lication No.		
	nternational Application No. ay 18, 2020	[PCT/IB2020/054696
The above-identified applica	ation was made or authorized to b	e made by me	
I hereby acknowledge that a fine or imprisonment of not		n this declaratio	on is punishable under 18 U.S.C. 1001 by
and do hereby assign and to 3M COMPANY, and a corporassigns, the entire right, title continuation (in whole or in by me or made jointly with ottermination of, my employmall Letters Patent, reexamin thereto (including the right town name and to claim any international conventions, trecontinuation (in whole or in part upon the said invention	ransfer unto the 3M INNOVATIVE pration of Delaware, having its prince, and interest in and to the said in part) of said application, and in anothers (provided any such improvement with 3M COMPANY and any actions, reissues, or extensions the paper of apply for Letters Patent, Utility Margarity rights for such foreign apprecaties, or otherwise), which have part), renewal, reexamination, reis	E PROPERTIES ncipal office at nvention and application and application and applications to whose of the unit of th	edged, I have agreed to assign and transfer S COMPANY, a wholly-owned subsidiary of Saint Paul, Minnesota, its successors and oplication, and in and to any division or II improvements in the said invention made during, or within one year after the r future subsidiaries), and in and to any and nited States of America and countries foreign intors' Certificates in foreign countries in its nich such applications are entitled under e granted thereon or on any divisional, or further application based in whole or in end as fully and exclusively as they would
consideration any further ap	oplications, assignments, and doc sary by said Company, its succes	uments, and to sors, assigns,	, to execute and deliver without further perform such other acts as I lawfully may, and nominees, fully to secure its right, title, dels, or Inventors' Certificates in any and all
			and all Letters Patent which may be Company, as the assignee of the entire right,
Legal Name of Inventor:			
Mark J. PELLERITE			
Inventor's Signature:		Date:	
/Mark J. Pellerite/		January 13, 2	021

Case No:

82029

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:

CATION	IIC COPOLYMERS WITH PEN	DANT N-ALLY	LIMIDAZOLIUM GROUPS
The specification of	which:		
is attached her	reto;		
was filed on			
	es Application No.		
		ا 	
is identified as filed on	PCT International Application No. May 18, 2020		PCT/IB2020/054696
med On	may 16, 2020		
The above-identified	d application was made or authorized	to be made by me	
fine or imprisonmen	t of not more than 5 years, or both.		on is punishable under 18 U.S.C. 1001 by edged. I have agreed to assign and transfer
and do hereby assigned COMPANY, and assigns, the entire recontinuation (in who by me or made joint termination of, my eall Letters Patent, rethereto (including the bown name and to clanternational conventionation (in who part upon the said in have been by me har	In and transfer unto the 3M INNOVATI a corporation of Delaware, having its ight, title, and interest in and to the saile or in part) of said application, and ly with others (provided any such impropriet with 3M COMPANY and examinations, reissues, or extension e right to apply for Letters Patent, Uticaim any priority rights for such foreign tions, treaties, or otherwise), which have in part), renewal, reexamination evention or improvements thereon, to ad this assignment and transfer not be	FIVE PROPERTIES or principal office at aid invention and aport or and to any and approvement is made any of its existing of the Urity Models, or Investage applications to whave been or may be held and enjoyed a	S COMPANY, a wholly-owned subsidiary of Saint Paul, Minnesota, its successors and oplication, and in and to any division or all improvements in the said invention made during, or within one year after the refuture subsidiaries), and in and to any and aited States of America and countries foreign ntors' Certificates in foreign countries in its sich such applications are entitled under e granted thereon or on any divisional, or further application based in whole or in eed as fully and exclusively as they would
consideration any fu hat may be deemed	rther applications, assignments, and I necessary by said Company, its suc	documents, and to cessors, assigns, a	, to execute and deliver without further perform such other acts as I lawfully may, and nominees, fully to secure its right, title, dels, or Inventors' Certificates in any and all
			and all Letters Patent which may be Company, as the assignee of the entire right,
Legal Name of Inve	entor:	**************************************	
Marina M. KAP	LUN		2000
Inventor's Signature		Date:	

PATENT REEL: 057578 FRAME: 0645

January 12, 2021

Case No:

82029

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:

CATIONIC COPOLYMERS WITH PEND	ANT N-ALLYLIMIDAZOLIUM GROUPS
The specification of which: is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on May 18, 2020	PCT/IB2020/054696
The above-identified application was made or authorized to	be made by me.
I hereby acknowledge that any willful false statement made if fine or imprisonment of not more than 5 years, or both.	n this declaration is punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of wand do hereby assign and transfer unto the 3M INNOVATIVE 3M COMPANY, and a corporation of Delaware, having its prassigns, the entire right, title, and interest in and to the said is continuation (in whole or in part) of said application, and in a by me or made jointly with others (provided any such improve termination of, my employment with 3M COMPANY and any all Letters Patent, reexaminations, reissues, or extensions the thereto (including the right to apply for Letters Patent, Utility own name and to claim any priority rights for such foreign application (in whole or in part), renewal, reexamination, repart upon the said invention or improvements thereon, to be have been by me had this assignment and transfer not been	E PROPERTIES COMPANY, a wholly-owned subsidiary of incipal office at Saint Paul, Minnesota, its successors and nvention and application, and in and to any division or nd to any and all improvements in the said invention made ement is made during, or within one year after the of its existing or future subsidiaries), and in and to any and hereof, of the United States of America and countries foreign Models, or Inventors' Certificates in foreign countries in its eplications to which such applications are entitled under to been or may be granted thereon or on any divisional, issue, or other or further application based in whole or in held and enjoyed as fully and exclusively as they would
I do further agree for myself and for my heirs, executors, and consideration any further applications, assignments, and do that may be deemed necessary by said Company, its successand interest as aforesaid and to obtain or maintain Letters P countries; and	cuments, and to perform such other acts as I lawfully may, ssors, assigns, and nominees, fully to secure its right, title,
I do hereby authorize and request the Commissioner of Pate granted upon any of the said applications, to said 3M Innova title, and interest therein.	
Legal Name of Inventor:	
John C. THOMAS	
Inventor's Signature:	Date:
John. C. Thom	01/21/2021

PATENT REEL: 057578 FRAME: 0646

RECORDED: 09/23/2021