506111671 06/17/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6158394

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TIMOTHY J. HEBRINK	04/22/2020
TODD G. PETT	04/22/2020
MOSES M. DAVID	05/19/2020
JAMES P. BURKE	05/21/2020
VIVIAN W. JONES	04/22/2020
HAIYAN ZHANG	04/21/2020

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:	15733255

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: 6517331500

Email: ilanderson6@mmm.com

3M INNOVATIVE PROPERTIES COMPANY **Correspondent Name:**

P.O. BOX 33427 Address Line 1:

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

ATTORNEY DOCKET NUMBER:	79756US007	
NAME OF SUBMITTER:	JAMIE L. ANDERSON	
SIGNATURE:	/Jamie L. Anderson/	
DATE SIGNED:	06/17/2020	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 6 source=Declaration_79756US007#page1.tif source=Declaration_79756US007#page2.tif source=Declaration_79756US007#page3.tif source=Declaration_79756US007#page4.tif source=Declaration_79756US007#page5.tif source=Declaration_79756US007#page6.tif

Case No:

79756US007

	ANTI-REFLECTIVE :	SURFACE STE	RUCTURES
The specification of w	hich:		
is attached her	eto;		
was filed on as United State	s Application No.		
is identified as I filed on	PCT International Application No. December 21, 2018		PCT/IB2018/060527
The above-identified a	application was made or authorized	to be made by me	3 .
I hereby acknowledge fine or imprisonment o	that any willful false statement man of not more than 5 years, or both.	de in this declarati	on is punishable under 18 U.S.C. 1001 by
and do hereby assign 3M COMPANY, and a assigns, the entire rigit continuation (in whole by me or made jointly termination of, my emall Letters Patent, reenthereto (including the lown name and to clair international convention continuation (in whole part upon the said inwithance been by me had	and transfer unto the 3M INNOVA1 corporation of Delaware, having its of, title, and interest in and to the sa or in part) of said application, and i with others (provided any such impolyment with 3M COMPANY and a saminations, reissues, or extension fight to apply for Letters Patent, Util n any priority rights for such foreign ons, treaties, or otherwise), which hor in part), renewal, reexamination, ention or improvements thereon, to this assignment and transfer not be	TVE PROPERTIES principal office at aid invention and a n and to any and a rovement is made any of its existing of the Unity Models, or Inventions to what applications to what a period of the Unity Models, or other beheld and enjoy the made;	ledged, I have agreed to assign and transfer S COMPANY, a wholly-owned subsidiary of Saint Paul, Minnesota, its successors and application, and in and to any division or all improvements in the said invention made during, or within one year after the or future subsidiaries), and in and to any and nited States of America and countries foreign entors' Certificates in foreign countries in its nich such applications are entitled under be granted thereon or on any divisional, or further application based in whole or in ed as fully and exclusively as they would
that may be deemed n	ner applications, assignments, and lecessary by said Company, its suc	documents, and to cessors, assigns	s, to execute and deliver without further operform such other acts as I lawfully may, and nominees, fully to secure its right, title, odels, or Inventors' Certificates in any and all
I do hereby authorize a granted upon any of the title, and interest there	e said applications, to said 3M Inno	atents to issue an vative Properties	y and all Letters Patent which may be Company, as the assignee of the entire right
Legal Name of Inve	ntor:		
Timothy J.	Hebrink	· · · · · · · · · · · · · · · · · · ·	
Inventor's Signature		Date:	1 1
timoth	19. Helm Z	4	1/22/2020

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

Case No:

79756US007

Α а

As a below named inventor, I believe I am an original inventor or an original application and for which a patent is sought on the invention entitled:	nal joint inventor of a claimed invention in the
ANTI-REFLECTIVE SURFACE STI	RUCTURES
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on December 21, 2018	PCT/IB2018/060527
The above-identified application was made or authorized to be made by m	ne.
I hereby acknowledge that any willful false statement made in this declarate fine or imprisonment of not more than 5 years, or both.	tion is punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of which is acknown and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIE 3M COMPANY, and a corporation of Delaware, having its principal office assigns, the entire right, title, and interest in and to the said invention and continuation (in whole or in part) of said application, and in and to any and	ES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or

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

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

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:	
Todd G. Pett	
Inventor's Signature: /Todd G. Pett/	Date: 4/22/2020

Case No:

79756US007

<u> </u>		
As a below named in application and for w	nventor, I believe I am an original inventor hich a patent is sought on the invention en	or an original joint inventor of a claimed invention in the titled:
	ANTI-REFLECTIVE SURF	
The specification of	which:	
is attached he	reto;	
☐ was filed on as United Sta	tes Application No.	
is identified as filed on	PCT International Application No. December 21, 2018	PCT/IB2018/060527
The above-identified	i application was made or authorized to be	made by me.
I hereby acknowled		his declaration is punishable under 18 U.S.C. 1001 by
and do hereby assigns the entire of continuation (in who by me or made joint termination of, my earl Letters Patent, in thereto (including thown name and to continuation (in who part upon the said in have been by me have	In and transfer unto the 3M INNOVATIVE I a corporation of Delaware, having its principle, title, and interest in and to the said imple or in part) of said application, and in analy with others (provided any such improve imployment with 3M COMPANY and any observaminations, reissues, or extensions the right to apply for Letters Patent, Utility Maim any priority rights for such foreign applications, treaties, or otherwise), which have lose or in part), renewal, reexamination, reisnivention or improvements thereon, to be had this assignment and transfer not been in	
consideration any f that may be deeme and interest as afor countries; and	urther applications, assignments, and doct d necessary by said Company, its success esaid and to obtain or maintain Letters Pa	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 al
I do hereby authori granted upon any c title, and interest th	if the said applications, to said an impres	its to issue any and all Letters Patent which may be Properties Company, as the assignee of the entire ngl
Legal Name of In Moses M Inventor's Signa	<u>David</u>	Date:
	N M Z	5/19/2020

Case No:

79756US007

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ANTI-REFLECTIVE SURFAC	E STRUCTURES
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on December 21, 2018	PCT/IB2018/060527
The above-identified application was made or authorized to be made	e by me.
I hereby acknowledge that any willful false statement made in this difine or imprisonment of not more than 5 years, or both.	eclaration is punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of which is	

in 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:	
James P. Burke	
Inventor's Signature:	Date:
1 / January / Dirella	5/7/1/2/02/2
- James 1, 100 tol	11011000
<u> </u>	······································

/Vivian W. Jones/

Case No:

79756US007

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:

	ANTI-REFLECTIVE SU	RFACE STF	RUCTURES
The specification of whi	ch:		
is attached hereto	D ;		
☐ was filed on as United States	Application No.		
⊠ is identified as P0 filed on	CT International Application No. December 21, 2018		PCT/IB2018/060527
The above-identified ap	plication was made or authorized to	be made by me	е.
	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 BM COMPANY, and a cassigns, the entire right continuation (in whole oby me or made jointly wermination of, my emplall Letters Patent, reexambereto (including the rigown name and to claim international convention continuation (in whole obart upon the said inversal.	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 to apply for Letters Patent, Utility any priority rights for such foreign apply, treaties, or otherwise), which have are in part), renewal, reexamination, re	E PROPERTIE incipal office a nvention and a nd to any and ement is made of its existing ereof, of the U Models, or Investigations to we been or may issue, or other held and enjoy	viedged, I have agreed to assign and transfer ES COMPANY, a wholly-owned subsidiary of t Saint Paul, Minnesota, its successors and application, and in and to any division or all improvements in the said invention made eduring, or within one year after the or future subsidiaries), and in and to any and inited States of America and countries foreign entors' 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 hat may be deemed ne	er applications, assignments, and doc cessary by said Company, its succes	cuments, and t ssors, assigns,	s, to execute and deliver without further o perform such other acts as I lawfully may, and nominees, fully to secure its right, title, odels, 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:		
Vivian W. J	lones		
Inventor's Signature:		Date:	
I			

PATENT REEL: 052966 FRAME: 0099

04/22/20

Case No:

79756US007

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

	ANTI-	REFLECTIVE SUF	RFACE ST	RUCTURES		
îne:	specification of which:			100000000000000000000000000000000000000	and the second s	
L	is attached hereto; was filed on					
Bi	as United States Application No.					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Ø	is identified as PCT International filed on December 2	Application No. 1, 2018		PCT/IB2018/0605	27	

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, little, and interest therein.

Legal Name of Inventor:			
Haiyan Zhang			n y na hina na an an an An hair na hina na an
Inventor's Signature:	Date:	et not to be estimated.	ad units of the same
		4/21/2020	(mineri i kizerizgan giberilek) } •

PATENT REEL: 052966 FRAME: 0100

RECORDED: 06/17/2020