# 505176352 11/06/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5223120

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
GEORGIY TEVEROVSKIY	09/20/2018
CHETAN P. JARIWALA	09/21/2018
DAVID S. HAYS	09/26/2018
MARIA A. APPEANING	09/21/2018
MARIE A. BOULOS	09/20/2018

#### 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:	16099200

#### **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, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER: 78582US006		
NAME OF SUBMITTER: COLLEEN M. WAGNER		
SIGNATURE:	/Colleen M. Wagner/	
<b>DATE SIGNED:</b> 11/06/2018		
	This document serves as an Oath/Declaration (37 CFR 1.63).	
·		

**Total Attachments: 5** 

PATENT REEL: 047416 FRAME: 0674

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Georgiy Teverovskiy
Inventor's Signature:

Case No:

78582US006

FLUROCHEMICAL PIPERAZINE	CARBOXAMIDES
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, 2017	PCT/US2017/036668
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 define 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 a and do hereby assign and transfer unto the 3M INNOVATIVE PROP 3M COMPANY, and a corporation of Delaware, having its principal of assigns, the entire right, title, and interest in and to the said invention continuation (in whole or in part) of said application, and in and to an by me or made jointly with others (provided any such improvement is termination of, my employment with 3M COMPANY and any of its exall Letters Patent, reexaminations, reissues, or extensions thereof, of thereto (including the right to apply for Letters Patent, Utility Models, own name and to claim any priority rights for such foreign application international conventions, treaties, or otherwise), which have been of continuation (in whole or in part), renewal, reexamination, reissue, or part upon the said invention or improvements thereon, to be held and have been by me had this assignment and transfer not been made;	PERTIES COMPANY, a wholly-owned subsidiary of office at Saint Paul, Minnesota, its successors and in and application, and in and to any division or my and all improvements in the said invention made is made during, or within one year after the xisting or future subsidiaries), and in and to any and of the United States of America and countries foreign or Inventors' Certificates in foreign countries in its may be granted thereon or on any divisional, in other or further application based in whole or in
I do further agree for myself and for my heirs, executors, and admini- consideration any further applications, assignments, and documents 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	s, and to perform such other acts as I lawfully may, ssigns, and nominees, fully to secure its right, title,
I do hereby authorize and request the Commissioner of Patents to is granted upon any of the said applications, to said 3M Innovative Protitle, and interest therein.	
Legal Name of Inventor	

Date:

9/20/18

Case No:

78582US006

As a below named inventor,	I believe I am an orig	ginal inventor or an	original joint invente	or of a claimed	invention in the
application and for which a p	atent is sought on the	e invention entitled:	-, ··		

FLUROCHEMICAL PI	PERAZINE CARBOXAMIDES
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, 2017	PCT/US2017/036668
The above-identified application was made or authoriz	ed to be made by me.
I hereby acknowledge that any willful false statement r fine or imprisonment of not more than 5 years, or both	made in this declaration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unto the 3M INNOV 3M COMPANY, and a corporation of Delaware, having assigns, the entire right, title, and interest in and to the continuation (in whole or in part) of said application, ar by me or made jointly with others (provided any such in termination of, my employment with 3M COMPANY and all Letters Patent, reexaminations, reissues, or extensisthereto (including the right to apply for Letters Patent, I own name and to claim any priority rights for such fore international conventions, treaties, or otherwise), which continuation (in whole or in part), renewal, reexamination part upon the said invention or improvements thereon, have been by me had this assignment and transfer not I do further agree for myself and for my heirs, executor consideration any further applications, assignments, at that may be deemed necessary by said Company, its said interest as aforesaid and to obtain or maintain Letter countries; and	rs, and administrators, to execute and deliver without further nd documents, and to perform such other acts as I lawfully may, successors, assigns, and nominees, fully to secure its right, title, ters Patent, Utility Models, or Inventors' Certificates in any and all
granted upon any of the said applications, to said 3M I title, and interest therein.	of Patents to issue any and all Letters Patent which may be innovative Properties Company, as the assignee of the entire right
Legal Name of Inventor:	
Chetan P. Jariwala	
Inventor's Signature:	Date:
Altan Aariwala	9-21-18

Case No:

78582US006

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:

FLUROCHEMICAL PIPERAZINE CARBOXAMIDES
The specification of which:
is attached hereto;
was filed on as United States Application No.
⊠ is identified as PCT International Application No.
The above-identified application was made or authorized to be made by me.
I hereby acknowledge that any wiltful 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:
David S. Hays
Inventor's Signature  Q 26 / 8

Case No:

78582US006

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:

FLUROCHEMICAL PIPER	KAZINE CARBOXAMIDES
The specification of which:	
is attached hereto;	
was filed on	
as United States Application No.	
	PCT/US2017/036668
filed on June 9, 2017	FC1/US201//U30000
The above-identified application was made or authorized to	be made by me.
I hereby acknowledge that any willful false statement made fine or imprisonment of πot more than 5 years, or both.	in this declaration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unto the 3M INNOVATIVAM COMPANY, and a corporation of Delaware, having its passigns, 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 an all Letters Patent, reexaminations, reissues, or extensions thereto (including the right to apply for Letters Patent, Utility own name and to claim any priority rights for such foreign a international conventions, treaties, or otherwise), which have continuation (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 been by my further applications, assignments, and disconsideration any further applications, assignments, and disconsideration.	and to any and all improvements in the said invention made overment is made during, or within one year after the by 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 we been or may be granted thereon or on any divisional, reissue, or other or further application based in whole or in the held and enjoyed as fully and exclusively as they would en made; and administrators, to execute and deliver without further occuments, 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
I do hereby authorize and request the Commissioner of Pa granted upon any of the said applications, to said 3M Innov title, and interest therein.	tents to issue any and all Letters Patent which may be vative Properties Company, as the assignee of the entire right.
Legal Name of Inventor:	A Section of the Control of the Cont
Maria A. Appeaning	T. Kristina
Inventor's Signature:	Date:
Marie	9/21/2018

**PATENT** 

Case No:

78582US006

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:

	FLUROCHEMICAL PIPE	RAZINE CARBOXAMIDES
The specification of v	/hich:	
is attached here	to;	
was filed on as United States	Application No.	
⊠ is identified as F filed on	CT International Application No. June 9, 2017	PCT/US2017/036668
The above-identified	application was made or authorized t	to be made by me.
In 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 en all Letters Patent, ree thereto (including the own name and to cla international convent continuation (in whole part upon the said in	of not more than 5 years, or both.  and valuable consideration, receipt or and transfer unto the 3M INNOVAT a corporation of Delaware, having its lift, title, and interest in and to the sare or in part) of said application, and in with others (provided any such improployment with 3M COMPANY and a examinations, reissues, or extensions right to apply for Letters Patent, Utilism any priority rights for such foreign ions, treaties, or otherwise), which has or in part), renewal, reexamination,	f which is acknowledged, I have agreed to assign and transfer IVE PROPERTIES COMPANY, a wholly-owned subsidiary of principal office at Saint Paul, Minnesota, its successors and id invention and application, and in and to any division or and to any and all improvements in the said invention made rovement is made during, or within one year after the any of its existing or future subsidiaries), and in and to any and a thereof, of the United States of America and countries foreign ity Models, or Inventors' Certificates in foreign countries in its applications to which such applications are entitled under ave 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 ten made;
consideration any fur that may be deemed	ther applications, assignments, and onecessary by said Company, its suc	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, a Patent, Utility Models, or Inventors' Certificates in any and all
	the said applications, to said 3M Inno	atents to issue any and all Letters Patent which may be ovative Properties Company, as the assignee of the entire right
Legal Name of Inve	ntor	
Marie A. Boulos		uuu.
Inventor's Signature		Date:
	a Barly	9/20/18

PATENT REEL: 047416 FRAME: 0680

**RECORDED: 11/06/2018**