#### 505153557 10/23/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5200324

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
WILLIAM T. RICHARDSON	10/15/2018
ROBERT MAY	10/12/2018
CHRISTOPHER B.J. GROOMBRIDGE	10/12/2018

#### **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:	16090300

#### 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: 651-733-1500

Email: ilhansen4@mmm.com

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

Address Line 1: PO BOX 33427

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

ATTORNEY DOCKET NUMBER:	78165US004
NAME OF SUBMITTER:	JUDY L. HANSEN
SIGNATURE:	/Judy L. Hansen/
DATE SIGNED:	10/23/2018

# **Total Attachments: 3**

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**PATENT REEL: 047270 FRAME: 0692** 505153557

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

Docket No:

78165US004

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:

MEDICINAL INHALER REFILL ASSEMBLIES COMPRISING A LOCKOUT MECHANISM		
The specification of which:		
is attached hereto;		
⊠ was filed on 1 October 2018		
as United States Application No.	16/090,300	
is identified as PCT International Application No.	PCT/US2017/025883	
filed on 4 April 2017		
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 not more than 5 years, or both.		
In addition, for good and valuable consideration, receipt transfer and do hereby assign and transfer unto the 3M I subsidiary of 3M COMPANY, and a corporation of Delawa successors and assigns, the entire right, title, and interest any division or continuation (in whole or in part) of said a said invention made by me or made jointly with others (proyear after the termination of, my employment with 3M COI in and to any and all Letters Patent, reexaminations, reissuand countries foreign thereto (including the right to apply foreign countries in its own name and to claim any propapilications are entitled under international conventions, trithereon or on any divisional, continuation (in whole or in application based in whole or in part upon the said inventually and exclusively as they would have been by me had the	INNOVATIVE PROPERTIES COMPANY, a wholly-owned tre, having its principal office at Saint Paul, Minnesota, its in and to the said invention and application, and in and to pplication, and in and to any and all improvements in the vided any such improvement is made during, or within one MPANY and any of its existing or future subsidiaries), and les, or extensions thereof, of the United States of America or Letters Patent, Utility Models, or Inventors' Certificates in lority rights for such foreign applications to which such reaties, or otherwise), which have been or may be granted part), renewal, reexamination, reissue, or other or further tion or improvements thereon, to be held and enjoyed as	
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.		
In witness whereof, I have signed my name on the day and year set forth below.		
Legal Name of Inventor:		
William T. Richardson		
Inventor's Signature:	Date:	
al-Lal	15/10/2018	

PATENT

**REEL: 047270 FRAME: 0693** 

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

 Docket No:	78165US004

As a below named inventor. I believe I am an original inventor or an original joint inventor of a claimed invention in

MEDICINAL	INHALER REFILL ASSEMBLIES CON	IPRISING A LOCKOUT MECHANISM
The specification of	of which:	
is attached he	ereto;	
⊠ was filed on	1 October 2018	
as United Sta	tes Application No.	16/090,300
⊠ is identified a	s PCT International Application No.	PCT/US2017/025883
filed on	4 April 2017	
I hereby acknowle	ed application was made or authorized to be made that any willful false statement made in this int of not more than 5 years, or both.	ade by me. declaration is punishable under 18 U.S.C. 1001 by
In addition, for go transfer and do he subsidiary of 3M C successors and as any division or corsaid invention mad year after the term and to any and and countries forei	od and valuable consideration, receipt of whitereby assign and transfer unto the 3M INNOV COMPANY, and a corporation of Delaware, has issigns, the entire right, title, and interest in and intinuation (in whole or in part) of said applicate by me or made jointly with others (provided a innation of, my employment with 3M COMPAN all Letters Patent, reexaminations, reissues, or gn thereto (including the right to apply for Lette	ch is acknowledged, I have agreed to assign and ATIVE PROPERTIES COMPANY, a wholly-owned ving its principal office at Saint Paul, Minnesota, its to the said invention and application, and in and to ion, and in and to any and all improvements in the any such improvement is made during, or within one Y and any of its existing or future subsidiaries), and extensions thereof, of the United States of America ars Patent, Utility Models, or Inventors' Certificates in ights for such foreign applications to which such

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

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 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.

In witness whereof, I have signed my name on the day and year set forth below.

Legal Name of Inventor:	
Robert May	
Inventor's Signature:	Date: 1200718

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

78165US004

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:

The specification of	f which:	
☐ is attached he	ereto;	
	1 October 2018	
as United Sta	tes Application No.	16/090,300
is identified a	s PCT International Application No.	PCT/US2017/025883
filed on	4 April 2017	

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.

In witness whereof, I have signed my name on the day and year set forth below.

Legal Name of Inventor:	
Christopher B.J. Groombridge	
Inventor's Signature:	Date:
l-growinge	12-027-2018

**PATENT REEL: 047270 FRAME: 0695**