PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5180823

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KEITH K. MCLAUGHLIN	08/08/2018
DOUGLAS D. JENSEN	08/07/2018
SEAN R. KILMER	08/07/2018
ANDREW MURPHY	08/08/2018

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:	16092488

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: smdacko1@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: 78199US013		
NAME OF SUBMITTER: SUSAN M. DACKO		
SIGNATURE:	/Susan M. Dacko/	
DATE SIGNED:	10/10/2018	
This document serves as an Oath/Declaration (37 CFR 1.63).		

Total Attachments: 4

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PATENT REEL: 047116 FRAME: 0813

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1,63)

Case No:

78199US013

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:

	Method Of Controlling A Powered Air Purifying Respirator		
	specification of which:	***	veri
	is attached hereto;	, , , , , , , , , , , , , , , , , , , 	
	was filed on as United States Application No.		
\boxtimes	is identified as PCT International Application No. filed on April 11, 2017	PCT/US2017/026944	شد

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:	
Keith K. Mclaughlin	
Inventor's Signature:	Date:
KIK M. L.	08/08/2018
	PATENT

REEL: 047116 FRAME: 0814

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

Case No:

78199US013

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:

	ni Citatod.
Method Of Controlling A Pow	vered Air Purifying Respirator
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on April 11, 2017	PCT/US2017/026944
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.	e in this declaration is punishable under 18 U.S.C. 1001 by
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 international conventions, treaties, or otherwise), which ha continuation (in whole or in part), renewal, reexamination, part upon the said invention or improvements thereon, to be have been by me had this assignment and transfer not be consideration any further applications, assignments, and did that may be deemed necessary by said Company, its successful and interest as aforesaid and to obtain or maintain Letters countries; and	and to any and all improvements in the said invention made overent is made during, or within one year after the my of its existing or future subsidiaries), and in and to any and thereof, of the United States of America and countries foreign by Models, or Inventors' Certificates in foreign countries in its applications to which such applications are entitled under two 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 be made; and administrators, to execute and deliver without further documents, and to perform such other acts as I lawfully may, bessors, assigns, and nominees, fully to secure its right, title, Patent, Utility Models, or Inventors' Certificates in any and all
title, and interest therein.	
Legal Name of Inventor: Douglas D. Jensen	
Inventor's Signature:	Date:
×	8/-1-10

PATENT REEL: 047116 FRAME: 0815

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

Case No:

78199US013

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

Method Of Controlling A Powered Ai	r Purifying Respirator
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on April 11, 2017	PCT/US2017/026944
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 de	coloration is nunishable under 1911 S.C. 1001 by

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:	
Sean R. Kilmer	
Inventor's Signature:	Date: / /
Sell	8/7/18

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

Case No:

78199US013

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

	ch a patent is sought on the invention		
N	lethod Of Controlling A Powe	ered Air Pu	rifying Respirator
The specification of wh	ich:		
is attached hereto	;		
☐ was filed on as United States A	Application No.	-	
is identified as PC filed on	T International Application No. April 11, 2017		PCT/US2017/026944
The above-identified ap	oplication was made or authorized to	be made by n	ne.
	that any willful false statement made i not more than 5 years, or both.	in this declara	ation 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 oby me or made jointly was termination of, my empall Letters Patent, reext thereto (including the right own name and to claim international convention continuation (in whole opart upon the said inve	and transfer unto the 3M INNOVATIVICOPPORATION OF Delaware, having its protect, title, and interest in and to the said it in part) of said application, and in a with others (provided any such improvice Ioyment with 3M COMPANY and any aminations, reissues, or extensions the ght to apply for Letters Patent, Utility any priority rights for such foreign approximation, reexamination, reissues, which have or in part), renewal, reexamination, re	E PROPERTI rincipal office invention and and to any and rement is mad r of its existing nereof, of the Models, or In oplications to be been or may eissue, or other held and enjo	wledged, I have agreed to assign and transfer ES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or dall improvements in the said invention made de during, or within one year after the g or future subsidiaries), and in and to any and United States of America and countries foreign ventors' Certificates in foreign countries in its which such applications are entitled under to be granted thereon or on any divisional, are or further application based in whole or in byed as fully and exclusively as they would
consideration any furth that may be deemed no	er applications, assignments, and doc ecessary by said Company, its succe	cuments, and ssors, assign:	ors, to execute and deliver without further to perform such other acts as I lawfully may, s, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all
I do hereby authorize a granted upon any of the title, and interest therei	e said applications, to said 3M Innova	ents to issue a ative Propertie	any and all Letters Patent which may be es Company, as the assignee of the entire righ
Legal Name of Invent	or.		
Andrew Murphy	Or.		
Inventor's Signature:		Date:	
A. Mup	1	8/	8/18.

PATENT REEL: 047116 FRAME: 0817

RECORDED: 10/10/2018