#### 504689879 12/15/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4736601 Stylesheet Version v1.2

**SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT** 

#### **CONVEYING PARTY DATA**

| Name             | Execution Date |
|------------------|----------------|
| PIERRE LEGARE    | 11/02/2017     |
| GARY E. DWYER    | 09/05/2017     |
| KEVIN A. FRANKEL | 09/05/2017     |

### **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: | 15736866 |

### 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: mmoes@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: | 76296US008   |
|-------------------------|--|
| NAME OF SUBMITTER:      | MONICA J. MOES   |
| SIGNATURE:              | /Monica J. Moes/   |
| DATE SIGNED:            | 12/15/2017   |
|                         | This document serves as an Oath/Declaration (37 CFR 1.63). |

# **Total Attachments: 3**

source=DeclarationAndAssignment\_76296US008#page1.tif source=DeclarationAndAssignment 76296US008#page2.tif source=DeclarationAndAssignment 76296US008#page3.tif

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

Case No:

76296US008

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:

| I   | FILTER CARTR   | IDGE COMPRISING FILTER I<br>ENDS, AND METHOD O   |  | H ADHESIVELY EDGE-SEALED AND USING   |              |
|---|--|--|--|--|--------------|
| The   | specification of whi   | ich:   |  |  |              |
|   | is attached hereto   | ;  |  |  |              |
|   | was filed on as United States A  | Application No.  |  |  |              |
| Ø   | is identified as PC<br>filed on  | T International Application No.  June 30, 2016   |  | PCT/US2016/040278  |              |
| The   | above-identified ap  | oplication was made or authorized to   | be made by i   | me.  |              |
|   |  | hat any willful false statement made<br>not more than 5 years, or both.  | in this declara  | ation is punishable under 18 U.S.C. 1001 by  |              |
| and 3M ass con by r terr all L thei con par hav | do hereby assign a COMPANY, and a cigns, the entire right tinuation (in whole one or made jointly white parties and to claim mational convention tinuation (in whole of the top on the said inverse been by me had to the convention of the top on the said inverse been by me had the COMPANY and the top on the said inverse been by me had the COMPANY and the company and the top on the said inverse been by me had the COMPANY and the c | and transfer unto the 3M INNOVATIVE corporation of Delaware, having its part, title, and interest in and to the said or in part) of said application, and in with others (provided any such improvement with 3M COMPANY and any aminations, reissues, or extensions to apply for Letters Patent, Utility in any priority rights for such foreign ans, treaties, or otherwise), which have or in part), renewal, reexamination, rention or improvements thereon, to be this assignment and transfer not bee | "E PROPERT rincipal office invention and and to any an vement is may of its existin hereof, of the Models, or Ir pplications to been or mae eissue, or other held and enjourned in made; | by by ledged, I have agreed to assign and transfer IES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and I application, and in and to any division or deall improvements in the said invention made during, or within one year after the gor future subsidiaries), and in and to any an United States of America and countries foreign ventors' Certificates in foreign countries in its which such applications are entitled under y be granted thereon or on any divisional, er or further application based in whole or in oyed as fully and exclusively as they would | f<br>d<br>gn |
| con<br>tha<br>and                               | sideration any furth<br>t may be deemed n  | er applications, assignments, and do<br>ecessary by said Company, its succe  | ocuments, and<br>essors, assign  | ors, to execute and deliver without further it to perform such other acts as I lawfully may, is, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and a   |              |
| gra   |  | e said applications, to said 3M Innov  |  | any and all Letters Patent which may be es Company, as the assignee of the entire rig  | ht,          |
| Le  | egal Name of Invent  | or:  |  |  |              |
| i   | ierre Legare   |  |  |  |              |
| ln  | ventor's Signature:  | 7  | Date:  | Vov 2, 2017  |              |

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

Case No:

76296US008

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:

| FILTER CARTR  | IDGE COMPRISING FILTER<br>ENDS, AND METHOD C   |  | HADHESIVELY EDGE-SEALED  |
|---|--|--|--|
| The specification of wh   | sich:  |  |  |
| is attached hereto  | Σ,   |  |  |
| was filed on as United States /   | Application No.  |  |  |
| is identified as PC filed on  | T International Application No. June 30, 2016  |  | PCT/US2016/040278  |
| The above-identified ap   | oplication was made or authorized to   | o be made by m   | 9.   |
| hereby acknowledge the fine or imprisonment of  | that any willful false statement made<br>f not more than 5 years, or both.   | e in this declarat   | ion is punishable under 18 U.S.C. 1001 by  |
| and do hereby assign a<br>3M COMPANY, and a cassigns, the entire right<br>continuation (in whole copy me or made jointly watermination of, my empall Letters Patent, reexistereto (including the ripown name and to claim international convention continuation (in whole copart upon the said inventage been by me had the dofurther agree for metals. | and transfer unto the 3M INNOVATI' corporation of Delaware, having its it, title, and interest in and to the said or in part) of said application, and in with others (provided any such improvided any priority for Letters Patent, Utility any priority rights for such foreign and in part), renewal, reexamination, renewal, reexamination, to be in part, and for my heirs, executors, and priority and for my heirs, executors, and priority interests in the said and for my heirs, executors, and transfer and for my heirs. | VE PROPERTIE  principal office a  if invention and a  and to any and  ovement is made  ny of its existing  thereof, of the L  Models, or Inventions to we  precise or other  e held and enjoy  and administrator | or future subsidiaries), and in and to any and nited States of America and countries foreign entors' Certificates in foreign countries in its hich such applications are entitled under be granted thereon or on any divisional, or further application based in whole or in red as fully and exclusively as they would so, to execute and deliver without further |
| hat may be deemed ne  | ecessary by said Company, its succ   | essors, assigns.   | perform such other acts as I lawfully may,<br>and nominees, fully to secure its right, title,<br>odels, or Inventors' Certificates in any and all  |
| do hereby authorize a<br>granted upon any of the<br>itle, and interest therein  | ∍ said applications, to said 3M Innov  | tents to issue ar<br>ative Properties  | y and all Letters Patent which may be<br>Company, as the assignee of the entire right  |
| Legal Name of Invento   | <b>X</b> :   |  |  |
| Gary E. Dwyer   |  |  | diccoord   |
| Inventor's Signature:   | Quite a  | Date:  | 1< 200 -   |

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

**RECORDED: 12/15/2017** 

Case No:

76296US008

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:

| FILTER CARTF   | RIDGE COMPRISING FILTER<br>ENDS, AND METHOD (  |   | H ADHESIVELY EDGE-SEALED<br>AND USING  |
|--|--|---|--|
| The specification of wi  | nich;  |   |  |
| is attached hereto   | <b>3</b> ,   |   |  |
| was filed on as United States  | Application No.  |   |  |
| is identified as Po  | CT International Application No. June 30, 2018   |   | PCT/US2016/040278  |
| The above-identified a   | pplication was made or authorized  | to be made by m   | <del>(</del>   |
| fine or imprisonment of an addition, for good at and do hereby assign 3M COMPANY, and a assigns, the entire right continuation (in whole by me or made jointly termination of, my empall Letters Patent, ree) thereto (including the town name and to clair international conventional continuation (in whole part upon the said inveloper to been by me had | of not more than 5 years, or both.  If not more than 5 years, or both, and transfer unto the 3M INNOVAT corporation of Delaware, having its or in part) of said application, and in with others (provided any such improperations, reissues, or extensions right to apply for Letters Patent, Utili in any priority rights for such foreign ons, treaties, or otherwise), which have or in part), renewal, reexamination, ention or improvements thereon, to this assignment and transfer not be | f which is acknown IVE PROPERTIL principal office a dinvention and and to any and overnent is mad ny of its existing thereof, of the tapplications to wave been or may reissue, or other be held and enjoen made; | wledged, I have agreed to assign and transfer<br>ES COMPANY, a wholly-owned subsidiary of<br>at Saint Paul, Minnesota, its successors and<br>application, and in and to any division or<br>all improvements in the said invention made<br>e during, or within one year after the<br>or future subsidiaries), and in and to any and<br>Inited States of America and countries foreignentors' Certificates in foreign countries in its<br>which such applications are entitled under<br>be granted thereon or on any divisional,<br>or or further application based in whole or in<br>yed as fully and exclusively as they would |
| consideration any furti<br>that may be deemed n  | ner applications, assignments, and decessary by said Company, its suc-   | documents, and<br>dessors, assigns  | rs, to execute and deliver without further to perform such other acts as I lawfully may, , and nominees, fully to secure its right, title, lodels, or Inventors' Certificates in any and al  |
| I do hereby authorize a<br>granted upon any of the<br>title, and interest there  | ne said applications, to said 3M inno  | atents to issue a<br>vative Propertie   | ny and all Letters Patent which may be<br>s Company, as the assignee of the entire righ  |
| Legal Name of Inven  | tor:   | ***************************************   |  |
| Kevin A. Franke  |  |   |  |
| Inventor's Signature:  | 1. Lan (1)   | Date:   | m 5 20/7   |