## 504791176 02/23/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4837908

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
RAJESH K. KATARE	12/04/2017
CHRIS T. GASMAN	11/27/2017
KENNETH J. SNIDER	08/31/2017

#### **RECEIVING PARTY DATA**

Name:	3M INNOVATIVE PROPERTIES COMPANY
Street Address:	PO BOX 33427
City:	ST. PAUL
State/Country:	MINNESOTA
Postal Code:	55133-3427

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number		
Application Number:	15560801		

#### **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.

Email: skweber@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:	76075US005
NAME OF SUBMITTER:	SHERRI K.W. JOHNSON
SIGNATURE:	/Sherri K.W. Johnson/
DATE SIGNED:	02/23/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

#### **Total Attachments: 3**

source=Declaration-Assignment-76075US005#page1.tif source=Declaration-Assignment-76075US005#page2.tif source=Declaration-Assignment-76075US005#page3.tif

PATENT 504791176 REEL: 045018 FRAME: 0607

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

Case No:

76075US005

As a below	named	inventor,	l believe	l am ar	original	inventor	or an	original	joint i	nventor	of a claim	ned inv	ention i	n the
application	and for	which a pa	atent is so	ought o	n the inv	ention er	titled:							

	COLLAPSABLE V-BANK FILTER					
The	specification of wh	ich;				
	is attached hereto	ý.				
$\boxtimes$		September 22, 2017				
	as United States /	Application No.	15/560801			
$\boxtimes$		T International Application No.	PCT/US2016/030551			
	filed on	May 3, 2016				

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:	
Rajesh K. Katare	
Inventor's Signature:	Date: Q/04/2017

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

Case No:

76075US005

As a below named i	inventor, I believe I :	am an original invent	or or an original jo	oint inventor of a	claimed invention in	n the
application and for v	which a patent is soι	ight on the invention	entitled:			

COL	LAPSABLE V-BANK FILTER	
The specification of which:		
is attached hereto;		
★ was filed on September 22, 20		
as United States Application No.	15/560801	
is identified as PCT International Applifiled on May 3, 2016	cation No. PCT/US2016/030551	

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:	Nik
Chris T. Gasman	
Inventor's Signature:	Date:
Chris T. Som	11/27/2017

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

Case No:

76075US005

	COLLAPSABLE	V-BANK FI	LTER
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. May 3, 2016		PCT/US2016/030551
The above-identified ap	pplication was made or authorized t	o be made by i	me.
I hereby acknowledge t fine or imprisonment of	hat any willful false statement mad not more than 5 years, or both.	e in this declar	ation is punishable under 18 U.S.C. 1001 by
and do hereby assign a 3M COMPANY, and a cassigns, the entire right continuation (in whole oby me or made jointly with termination of, my empliall Letters Patent, reexathereto (including the rigown name and to claim international convention continuation (in whole opart upon the said inversave been by me had the do further agree for my consideration any further that may be deemed ne and interest as aforesaid countries; and	and transfer unto the 3M INNOVATI corporation of Delaware, having its title, and interest in and to the said in part) of said application, and in ith others (provided any such improyment with 3M COMPANY and an aminations, reissues, or extensions ght to apply for Letters Patent, Utility any priority rights for such foreign as treaties, or otherwise), which has in in part), renewal, reexamination, ation or improvements thereon, to be assignment and transfer not be a said applications, assignments, and decessary by said Company, its successary by said Company, its succes	VE PROPERT principal office d invention and and to any an overnent is many of its existing thereof, of the y Models, or Inapplications to ve been or may reissue, or other held and enjury administrate ocuments, and essors, assign Patent, Utility Materits to issue a	wiledged, 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 division or division, and in and to any division or division, and in and to any and defer the ground of the subsidiaries, and in and to any and United States of America and countries foreign eventors' Certificates in foreign countries in its which such applications are entitled underly be granted thereon or on any divisional, are or further application based in whole or in cover as fully and exclusively as they would except the 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 large any and all Letters Patent which may be as Company, as the assignee of the entire right
title, and interest therein	l.		
Legal Name of Invento	r;		
Kenneth J. Snider	•		
Inventor's Signature:		Date:	,
Kenneth (	1 Saids	08/	(31/2017

PATENT REEL: 045018 FRAME: 0610

**RECORDED: 02/23/2018**