## **PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5159001

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ROBBI L. BAKALAR	09/24/2018
JENNIFER S. BANGLE	09/24/2018
JOSEPH M. KRAL	09/26/2018
SEAN D. REGAN	09/24/2018

#### **RECEIVING PARTY DATA**

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

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

Property Type	Number
Application Number:	29664521

### **CORRESPONDENCE DATA**

Fax Number:

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: lekraft@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: PO BOX 33427

Address Line 4: SAINT PAUL, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER:	81243US002
NAME OF SUBMITTER:	LYNNDA E. KRAFT
SIGNATURE:	/Lynnda E. Kraft/
DATE SIGNED:	09/26/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 4** 

source=DeclarationAssignment\_BAKALAR\_81243US002\_signed#page1.tif

PATENT REEL: 046974 FRAME: 0559

505112240

source=DeclarationAssignment\_BANGLE\_81243US002\_signed#page1.tif source=DeclarationAssignment\_KRAL\_81243US002\_signed#page1.tif source=DeclarationAssignment\_REGAN\_81243US002\_signed#page1.tif

PATENT REEL: 046974 FRAME: 0560

DECLARATION AND ASSIGNMENT. FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)	Case No.	81243US002	
As a below named inventor. I believe I am an original invention er application and for which a patent is sought on the invention er	or an original joint tilled	inventor of a claimed invention in	the
application and for which a patient is sought to INDICATOR			
The specification of which:			
is attached hereto.			
☐ was filed on as United States Application No.			
is identified as PCT International Application No.			4
The above-identified application was made or authorized to be	e made by me.		
I hereby acknowledge that any willful false statement made in fine or imprisonment of not more than 5 years, or both.	this declaration is		
In addition, for good and valuable consideration, receipt of when and do hereby assign and transfer unto the 3M INNOVATIVE 3M COMPANY, and a corporation of Delaware, having its prince assigns, the entire right, title, and interest in and to the said in continuation (in whole or in part) of said application, and in an by me or made jointly with others (provided any such improve termination of my employment with 3M COMPANY and any of all Letters Patent, reexaminations, reissues, or extensions the thereto (including the right to apply for Letters Patent, Utility Nown name and to claim any priority rights for such foreign applinternational conventions, treaties, or otherwise), which have continuation (in whole or in part), renewal, reexamination, religion the said invention or improvements thereon, to be have been by me had this assignment and transfer not been	ncipal office at Sanvention and applied to any and all interest is made during its existing or freed of the United Acidets, or Inventobleations to which been or may be ssue, or other or held and enjoyed made;	int Paul, Minnesota, its success cation, and in and to any division in an another any division in an another and inventing, or within one year after the atture subsidiaries), and in and a States of America and courtors' Certificates in foreign court in such applications are entitle granted thereon or on any dividiaries application based in we as fully and exclusively as the	sors and on or tion made ne to any and stries foreign ntries in its d under visional, whole or in ney would
I do further agree for myself and for my heirs, executors, and consideration any further applications, assignments, and docthat may be deemed necessary by said Company, its successard interest as aforesaid and to obtain or maintain Letters Procuntries; and	isors, assigns, a atent, Utility Mod	nd nominees, fully to secure tels, or Inventors' Certificate	its right, title, s in any and all
I do hereby authorize and request the Commissioner of Pate granted upon any of the said applications, to said 3M Innova title, and interest therein.	nts to issue any tive Properties (	and all Letters Patent whic Company, as the assignee	h may be of the entire rig!
Legal Name of Inventor Robbi L. BAKALAR	-		
Inventor's Signature White Lower Commencer of the Commenc	Date: 9-5	14-2018	

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

Case No:

81243US002

INDICATOR STR	RIP
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on	
The above-identified application was made or authorized to be made	de by me.
I hereby acknowledge that any willful false statement made in this of fine or imprisonment of not more than 5 years, or both.	declaration is punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of which is and do hereby assign and transfer unto the 3M INNOVATIVE PRO 3M COMPANY, and a corporation of Delaware, having its principal 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 a by me or made jointly with others (provided any such improvement termination of, my employment with 3M COMPANY and any of its call Letters Patent, reexaminations, reissues, or extensions thereof, 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 continuation (in whole or in part), renewal, reexamination, reissue, part upon the said invention or improvements thereon, to be held a 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 on and application, and in and to any division or any and all improvements in the said invention made is made during, or within one year after the existing or future subsidiaries), and in and to any and of the United States of America and countries foreign s, or Inventors' Certificates in foreign countries in its ons to which such applications are entitled under or may be granted thereon or on any divisional, or other or further application based in whole or in and enjoyed as fully and exclusively as they would
I do further agree for myself and for my heirs, executors, and admi consideration any further applications, assignments, and documen that may be deemed necessary by said Company, its successors, and interest as aforesaid and to obtain or maintain Letters Patent, countries; and	ts, and to perform such other acts as I lawfully may, assigns, and nominees, fully to secure its right, title,
I do hereby authorize and request the Commissioner of Patents to granted upon any of the said applications, to said 3M Innovative P title, and interest therein.	issue any and all Letters Patent which may be roperties Company, as the assignee of the entire righ
Legal Name of Inventor:	
Jennifer S. BANGLE	
Inventor's Signature: Date:	10 110 010/

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

Case No:

81243US002

application and for which a patent is sought on the invention el	
The specification of which:	
is attached hereto;	
Page 1000 1000 1000 1000 1000 1000 1000 10	
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	e made by me.
I hereby acknowledge that any willful false statement made in fine or imprisonment of not more than 5 years, or both.	
In addition, for good and valuable consideration, receipt of whand do hereby assign and transfer unto the 3M INNOVATIVE 3M COMPANY, and a corporation of Delaware, having its princessigns, the entire right, title, and interest in and to the said in continuation (in whole or in part) of said application, and in an by me or made jointly with others (provided any such improve termination of, my employment with 3M COMPANY and any all Letters Patent, reexaminations, reissues, or extensions that thereto (including the right to apply for Letters Patent, Utility I own name and to claim any priority rights for such foreign applicational conventions, treaties, or otherwise), which have continuation (in whole or in part), renewal, reexamination, reinpart upon the said invention or improvements thereon, to be have been by me had this assignment and transfer not been	ncipal office at Saint Paul, Minnesota, its successors and evention and application, and in and to any division or and to any and all improvements in the said invention made ement is made during, or within one year after the of its existing or future subsidiaries), and in and to any and ereof, of the United States of America and countries foreign Models, or Inventors' Certificates in foreign countries in its plications to which such applications are entitled under been or may be granted thereon or on any divisional, issue, or other or further application based in whole or in held and enjoyed as fully and exclusively as they would made;
I do further agree for myself and for my heirs, executors, and consideration any further applications, assignments, and docthat may be deemed necessary by said Company, its successard interest as aforesaid and to obtain or maintain Letters P countries; and	ssors, assigns, and nominees, fully to secure its right, title, atent, Utility Models, or inventors' Certificates in any and all
I do hereby authorize and request the Commissioner of Pate granted upon any of the said applications, to said 3M Innova- title, and interest therein.	ents to issue any and all Letters Patent which may be ative Properties Company, as the assignee of the entire right,
Legal Name of Inventor:	
Joseph M. KRAL	
Inventor's Signature:	Date:
Joe un	SEV 26, 2018

PATENT REEL: 046974 FRAME: 0563

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

Case No:

81243US002

٩s٤	a below	named	inventor	, I believe	l am an	original	inventor	or an	original	joint	inventor	of a claim	ed inve	intion i	n the
dae	tication	and for	which a	patent is so	bught or	the inv	ention er	ititled:							

As a below named inventor, I believe I am an original inventor or application and for which a patent is sought on the invention entitle				
INDICATOR STRIP				
The specification of which:				
is attached hereto;				
was filed on as United States Application No.				
is identified as PCT International Application No.				
filed on				
The above-identified application was made or authorized to be made	de by me.			
I hereby acknowledge that any willful false statement made in this fine or imprisonment of not more than 5 years, or both.	declaration is punishable under 18 U.S.C. 1001 by			
In addition, for good and valuable consideration, receipt of which is and do hereby assign and transfer unto the 3M INNOVATIVE PRO 3M COMPANY, and a corporation of Delaware, having its principal	PERTIES COMPANY, a wholly-owned subsidiary of			

1 а 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 D. REGAN	
Inventor's Signature:	Date
A.	Spt 24,2018

**PATENT** REEL: 046974 FRAME: 0564

RECORDED: 09/26/2018