505857337 01/10/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5904274

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SEONG-WOO WOO	03/06/2019
JUNG-JU SUH	03/06/2019
CHARLES L. BRUZZONE	03/06/2019
JENNIFER J. SOKOL	03/29/2019
SERGEI A. MANUILOV	09/17/2019

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16630006

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: mekosloski@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: PO BOX 33427

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

Total Attachments: 5	(
	This document serves as an Oath/Declaration (37 CFR 1.63).
DATE SIGNED:	01/10/2020
SIGNATURE:	/Mycki E. Kosloski/
NAME OF SUBMITTER:	MYCKI E. KOSLOSKI
ATTORNEY DOCKET NUMBER:	79167US007

Total Attachments: 5

PATENT REEL: 051474 FRAME: 0380

505857337

source=Executed Declaration-Assignment 79167US007#page1.tif source=Executed Declaration-Assignment 79167US007#page2.tif source=Executed Declaration-Assignment 79167US007#page3.tif source=Executed Declaration-Assignment 79167US007#page4.tif source=Executed Declaration-Assignment 79167US007#page5.tif

PATENT REEL: 051474 FRAME: 0381

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

Case No:

79167US

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:		
MAGNETIC FI	LM	
The specification of which: is attached hereto;		
was filed on as United States Application No.		
is identified as PCT International Application No.	PCT/IB2018/055793	

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:	
Seong-Woo Woo	
Inventor's Signature:	2019, 7, 6

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

Case No:

79167US

As a below named inventor, I believe I am a	an original inventor or an	original joint inventor of a	a claimed invention in the
application and for which a patent is sought	on the invention entitled:		

		ch a patent is sought on the invention entitled:	ginar joint inventor of a diamed invention in the
		MAGNETIC FILM	
The	specification of whi		
	is attached hereto		
	was filed on as United States A	Application No.	
	is identified as PC filed on	T International Application No. August 1, 2018	PCT/IB2018/055793
Γhe	above-identified ap	oplication was made or authorized to be made by	me.
		hat any willful false statement made in this declar not more than 5 years, or both.	ration is punishable under 18 U.S.C. 1001 by
n a	ddition, for good an	d valuable consideration, receipt of which is ackn	owledged. 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:	
Legal Name of Inventor: Jung-Ju Suh	
Inventor's Signature:	Date: 2019.03.06

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

is identified as PCT International Application No.

August 1, 2018

filed on

Case No:

PCT/IB2018/055793

79167US

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:		
MAGNETIC FILM		
The specification of which:		
is attached hereto;		
was filed on as United States Application No.		

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:	
Charles L. Bruzzone	
Inventor/s Signature:	Date:
Charles Agr	March 6, 2019

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

Case No:

79167US

application and for which a patent is sought on the invention entitled:	
MAGNETIC FILM	
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on August 1, 2018	PCT/IB2018/055793
The above-identified application was made or authorized to be made by	rme.
I hereby acknowledge that any willful false statement made in this decla fine or imprisonment of not more than 5 years, or both.	
In addition, for good and valuable consideration, receipt of which is acknown and do hereby assign and transfer unto the 3M INNOVATIVE PROPER 3M COMPANY, and a corporation of Delawars, having its principal office assigns, the entire right, title, and interest in and to the said invention are continuation (in whole or in part) of said application, and in and to any aby me or made jointly with others (provided any such improvement is memination of, my employment with 3M COMPANY and any of its existicall Letters Patent, reexaminations, reissues, or extensions thereof, of the thereto (including the right to apply for Letters Patent, Utility Models, or own name and to claim any priority rights for such foreign applications to international conventions, treaties, or otherwise), which have been or memorated to convention or in part, renewal, reexamination, reissue, or otherwise to be held and enhance been by me had this assignment and transfer not been made;	TIES COMPANY, a wholly-owned subsidiery of e at Saint Paul, Minnesota, its successors and nd application, and in and to any division or nd all improvements in the said invention made ade during, or within one year after the ng or future subsidiaries), and in and to any and e United States of America and countries foreigr Inventors' Certificates in foreign countries in its o which such applications are entitled under ay be granted thereon or on any divisional, her or further application based in whole or in
I do further agree for myself and for my heirs, executors, and administrations consideration any further applications, assignments, and documents, at that may be deemed necessary by said Company, its successors, assigned interest as aforesaid and to obtain or maintain Letters Patent, Utility countries; and	nd to perform such other acts as I lawfully may, ins, and nominees, fully to secure its right, title,
I do hereby authorize and request the Commissioner of Patents to issue granted upon any of the said applications, to said 3M Innovative Proper title, and interest therein.	e any and all Letters Patent which may be ties Company, as the assignee of the entire right
Legal Name of Inventor:	
Jennifer J. Sokol	annan .
Inventor's Signature: Oate: O3	129/2018

PATENT REEL: 051474 FRAME: 0385

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

Case No.

79167US

As a below named inventor, I believe I am an original inventor	y or an original joint inventor of a claimed invention in the
application and for which a patent is sought on the invention of MAGNETIC	
The specification of which:	
☐ was filed onas United States Application No.	
is identified as PCT International Application No. filed on August 1, 2018	PCT/IB2018/056793
The above-identified application was made or authorized to b	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 punishable under 18 U.S.C. 1001 by
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 proposition of 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 the thereto (including the right to apply for Letters Patent, Utility) own name and to claim any priority rights for such foreign apprinternational conventions, treaties, or otherwise), which have continuation (in whole or in part), renewal, reexamination, rei part upon the said invention or improvements thereon, to be have been by me had this assignment and transfer not been	nopal office at Saint Paul, Minnesota, its successors and evention and application, and in and to any division or not o any and all improvements in the said invention made ement is made during, or within one year after the of its existing or (uture 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 successand interest as aforesaid and to obtain or maintain Letters Pacountries, and	cuments, and to perform such other acts as i lawfully may, asors, assigns, and nominees, fully to secure its right, title.
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	ints to issue any and all Letters Patent which may be tive Properties Company, as the assignee of the entire right.
Legal Name of Inventor	
Sergei A. Manuilov	
Inventor's Signature	Date (3 7 - 1 t - 1 J / 5