505792668 11/26/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JENNIFER F. SCHUMACHER	07/25/2019
JAMES B. SNYDER	11/18/2019
NICHOLAS A. ASENDORF	07/24/2019

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:	16498621

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: 6517331500

Email: ilanderson6@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: P.O. BOX 33427

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

ATTORNEY DOCKET NUMBER:	79342US007
NAME OF SUBMITTER:	JAMIE L. ANDERSON
SIGNATURE:	/Jamie L. Anderson/
DATE SIGNED:	11/26/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

source=Declaration_79342US007#page1.tif source=Declaration_79342US007#page2.tif source=Declaration_79342US007#page3.tif

PATENT 505792668 REEL: 051117 FRAME: 0423

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

Case No:

79342US007

IMAGE BASE	D COUNTERFEIT DETECTION
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
	PCT/IB2018/051954
The above-identified application was made or au	thorized to be made by me.
	nent made in this declaration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unto the 3M In 3M COMPANY, and a corporation of Delaware, hassigns, the entire right, title, and interest in and continuation (in whole or in part) of said application by me or made jointly with others (provided any stermination of, my employment with 3M COMPAN all Letters Patent, reexaminations, reissues, or exthereto (including the right to apply for Letters Patent own name and to claim any priority rights for such international conventions, treaties, or otherwise), continuation (in whole or in part), renewal, reexampart upon the said invention or improvements the have been by me had this assignment and transfel do further agree for myself and for my heirs, execonsideration any further applications, assignment and interest as aforesaid and to obtain or maintain countries; and	receipt of which is acknowledged, I have agreed to assign and transfer NNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of naving its principal office at Saint Paul, Minnesota, its successors and to the said invention and application, and in and to any division or on, and in and to any and all improvements in the said invention made such improvement is made during, or within one year after the NY and any of its existing or future subsidiaries), and in and to any and ktensions thereof, of the United States of America and countries foreign tent, Utility Models, or Inventors' Certificates in foreign countries in its inforeign applications to which such applications are entitled under which have been or may be granted thereon or on any divisional, mination, reissue, or other or further application based in whole or in reon, to be held and enjoyed as fully and exclusively as they would er not been made; ecutors, and administrators, to execute and deliver without further ats, and documents, and to perform such other acts as I lawfully may, its successors, assigns, and nominees, fully to secure its right, title, in Letters Patent, Utility Models, or Inventors' Certificates in any and all ner of Patents to issue any and all Letters Patent which may be 3M Innovative Properties Company, as the assignee of the entire right
Legal Name of Inventor:	
Jennifer F. Schumacher	
Inventor's Signature:	Date:
Juft. Schmad	25 Jul 2019

PATENT REEL: 051117 FRAME: 0424

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

Case No:

79342US007

As a below named inventor, I believe I am an original inventor or an or application and for which a patent is sought on the invention entitled:	riginal joint inventor of a claimed invention in the
IMAGE BASED COUNTERFEIT	DETECTION
The specification of which:	
☐ is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on March 22, 2018	PCT/IB2018/051954
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 Delaware, having its principal office assigns, the entire right, title, and interest in and to the said invention an continuation (in whole or in part) of said application, and in and to any allow me or made jointly with others (provided any such improvement is matermination of, my employment with 3M COMPANY and any of its existing all Letters Patent, reexaminations, reissues, or extensions thereof, of the thereto (including the right to apply for Letters Patent, Utility Models, or I own name and to claim any priority rights for such foreign applications to international conventions, treaties, or otherwise), which have been or maternational conventions, treaties, or otherwise), which have been or maternational convention or improvements thereon, to be held and enhance been by me had this assignment and transfer not been made; I do further agree for myself and for my heirs, executors, and administrations deration any further applications, assignments, and documents, and that may be deemed necessary by said Company, its successors, assignand interest as aforesaid and to obtain or maintain Letters Patent, Utility countries; and	TIES COMPANY, a wholly-owned subsidiary of e at Saint Paul, Minnesota, its successors and ad application, and in and to any division or and all improvements in the said invention made ade during, or within one year after the age of future subsidiaries), and in and to any and a United States of America and countries foreign inventors' Certificates in foreign countries in its owhich such applications are entitled under any be granted thereon or on any divisional, her or further application based in whole or in alloyed as fully and exclusively as they would tors, to execute and deliver without further d to perform such other acts as I lawfully may, his, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all
Legal Name of Inventor:	
James B. Snyder	
Inventor's Signature: Date:	8/19

PATENT REEL: 051117 FRAME: 0425

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

Case No:

79342US007

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:

·	IMAGE BASED COUNTERFEIT I	DETECTION
The	specification of which:	
	is attached hereto;	
	was filed on as United States Application No.	
\boxtimes	is identified as PCT International Application No. filed on March 22, 2018	PCT/IB2018/051954

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:	
Nicholas A. Asendorf	***************************************
Inventor's Signature:	Date:
	7(24/2019

PATENT REEL: 051117 FRAME: 0426

RECORDED: 11/26/2019