PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3173118

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BILLY L. WEAVER	01/07/2014
MATTHEW H. FREY	12/16/2014
LIJUN ZU	12/16/2014
CRISTIN E. MORAN	12/16/2014

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:	14569943

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.

Email: mekosloski@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: P.O. BOX 33427

Address Line 4: SAINT PAUL, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER: 66317US010	
NAME OF SUBMITTER:	MYCKI E. KOSLOSKI
SIGNATURE:	/Mycki E. Kosloski/
DATE SIGNED: 01/07/2015	
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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> PATENT REEL: 034655 FRAME: 0068

Case No:

66317US010

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:

INTEGRATED PASSIVE CIRCUIT ELEMENTS FOR SENSING DEVICES
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 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:
Billy L. Weaver
Inventor's Signature: Date: 1 7 2014

PATENT

Case No:

86317US010

	GRATED PASSIVE CIRCUI	i eremiem o en o emona nemes
The specification of	which:	
is attached he	reto;	
was filed on	December 15, 2014	
as United Stat	es Application No.	14/569,943
is identified as filed on	PCT International Application No.	
The above-identifie	d application was made or authorize	ed to be made by me.
	ge that any willful faise statement n it of not more than 5 years, or both.	nade in this declaration is punishable under 18 U.S.C. 1001 by
assigns, the entire is continuation (in who by me or made join) termination of, my easil Letters Patent, rethereto (including thown name and to clinternational convercentinuation (in who part upon the said is	right, title, and interest in and to the ple or in part) of said application, an tly with others (provided any such in imployment with 3M COMPANY an sexaminations, refssues, or extensive right to apply for Letters Patent, Laim any priority rights for such foreintions, treaties, or otherwise), which bie or in part), renewal, reexamination or improvements thereon, ad this assignment and transfer not	
I do further agree fo consideration any fu that may be deeme	urther applications, assignments, and dinecessary by said Company, its s	s, and administrators, to execute and deliver without further ad documents, and to perform such other acts as I lawfully may, successors, assigns, and nominees, fully to secure its right, title, ers Patent, Utility Models, or Inventors' Certificates in any and all
I do further agree for consideration any futhat may be deeme- and interest as afor- countries; and	urther applications, assignments, and necessary by said Company, its seasand and to obtain or maintain Letters and request the Commissioner of the said applications, to said 3M In	nd documents, and to perform such other acts as I lawfully may, successors, assigns, and nominees, fully to secure its right, title.
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PATENT REEL: 034655 FRAME: 0070

Case No:

66317US010

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:

INTEG	IRATED PASSIVE CIRCUIT E	LEMENTS FOR SENSING DEVICES
The specification of w	thich:	
is attached here	to;	
was filed on as United States	December 15, 2014 Application No.	14/569,943
☐ is identified as P filed on	CT International Application No.	
The above-identified	application was made or authorized to	be made by me.
	s that any willful false statement made of not more than 5 years, or both.	in this declaration is punishable under 18 U.S.C. 1001 by
and do hereby assign 3M COMPANY, and a assigns, the entire rig continuation (in whole by me or made jointly termination of, my emall Letters Patent, ree thereto (including the own name and to clai international conventicontinuation (in whole part upon the said invitational conventional continuation (in whole part upon the said invitational consideration any furtiful that may be deemed and interest as afores	and transfer unto the 3M INNOVATING corporation of Delaware, having its plat, title, and interest in and to the said or in part) of said application, and in with others (provided any such improplications) with 3M COMPANY and an examinations, reissues, or extensions right to apply for Letters Patent, Utility many priority rights for such foreign a constreaties, or otherwise), which have or in part), renewal, reexamination, rention or improvements thereon, to be this assignment and transfer not been myself and for my heirs, executors, and denecessary by said Company, its succined.	which is acknowledged. I have agreed to assign and transfer /E PROPERTIES COMPANY, a wholly-owned subsidiary of principal office at Saint Paul, Minnesota, its successors and I invention and application, and in and to any division or and to any and all improvements in the said invention made evement is made during, or within one year after the y of its existing or future subsidiaries), and in and to any and thereof, of the United States of America and countries foreign / Models, or Inventors' Certificates in foreign countries in its applications to which such applications are entitled under we been or may be granted thereon or on any divisional, eissue, or other or further application based in whole or in the held and enjoyed as fully and exclusively as they would in made; and administrators, to execute and deliver without further occuments, and to perform such other acts as I lawfully may, essors, assigns, and nominees, fully to secure its right, title, Patent, Utility Models, or Inventors' Certificates in any and all
countries; and I do hereby authorize granted upon any of t title, and interest then	he said applications, to said 3M Innov	tents to issue any and all Letters Patent which may be rative Properties Company, as the assignee of the entire right,
Legal Name of Inver		
Lijun Zu		-
Inventor's Signature		Date:

PATENT REEL: 034655 FRAME: 0071

Case No:

66317US010

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:

INTEG	RATED PASSIVE CIRCUIT EL	EMENTS FOR SENSING DEVICES
The specification of wh	nich:	
is attached hereto		
was filed on as United States	December 15, 2014 Application No.	14/569,943
is identified as Po	CT International Application No.	
The above-identified a	pplication was made or authorized to	be made by me.
	that any willful false statement made f not more than 5 years, or both.	in this declaration is punishable under 18 U.S.C. 1001 by
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, reexthereto (including the rown name and to clair international convention continuation (in whole part upon the said inverse.)	and transfer unto the 3M INNOVATIV corporation of Delaware, having its part, title, and interest in and to the said or in part) of said application, and in a with others (provided any such improvious and with 3M COMPANY and any caminations, reissues, or extensions tright to apply for Letters Patent, Utility in any priority rights for such foreign approx, treaties, or otherwise), which have or in part), renewal, reexamination, re	which is acknowledged, I have agreed to assign and transfer PROPERTIES COMPANY, a wholly-owned subsidiary of principal office at Saint Paul, Minnesota, its successors and invention and application, and in and to any division or and to any and all improvements in the said invention made wement is made during, or within one year after the y of its existing or future subsidiaries), and in and to any and hereof, of the United States of America and countries foreign Models, or Inventors' Certificates in foreign countries in its applications to which such applications are entitled under the been or may be granted thereon or on any divisional, elissue, or other or further application based in whole or in the held and enjoyed as fully and exclusively as they would in made;
consideration any furth that may be deemed r	ner applications, assignments, and do necessary by said Company, its succe	nd administrators, to execute and deliver without further ocuments, and to perform such other acts as I lawfully may, assors, assigns, and nominees, fully to secure its right, title, Patent, Utility Models, or Inventors' Certificates in any and a
	ne said applications, to said 3M Innov	ents to issue any and all Letters Patent which may be ative Properties Company, as the assignee of the entire rig
Legal Name of Inven	tor:	
Cristin E. Moran		
Inventor's Signature:		Date
I Custom	2 Mary	Dec 16, 2014

PATENT REEL: 034655 FRAME: 0072

RECORDED: 01/07/2015