PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6532187

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ERNESTO M. RODRIGUEZ JR.	05/12/2020
LASZLO MARKOS	05/13/2020
STEVEN E. TURCH	06/16/2020
SHUGUANG WU	05/11/2020

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:	17250571

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.

Phone: 6517331500

Email: ttcollier@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: 81090US007	
NAME OF SUBMITTER: THERESA T. COLLIER	
SIGNATURE:	/Theresa T. Collier/
DATE SIGNED:	02/03/2021
This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 4

source=Decl-Assn-All_SIGNED_81090US007#page1.tif

source=Decl-Assn-All_SIGNED_81090US007#page2.tif source=Decl-Assn-All_SIGNED_81090US007#page3.tif source=Decl-Assn-All_SIGNED_81090US007#page4.tif

Case No:

81090WO003

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:	•
FAULT CIRCUIT INDICATOR APPARATUS,	SYSTEM, AND METHOD
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 6, 2019	PCT/IB2019/056694
The above-identified application was made or authorized to be made by	me.
I hereby acknowledge that any willful false statement made in this declar fine or imprisonment of not more than 5 years, or both.	ation is punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of which is acknowned do hereby assign and transfer unto the 3M INNOVATIVE PROPERT	· · · · · · · · · · · · · · · · · · ·

Ir 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:	
Ernesto M. Rodriguez, Jr.	
Inventor's Signature:	Date:
/Ernesto M Rodriguez/	5-12-2020

Case No:

81090VVO003

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:

		er a bareirr is sonAur ou me iuAeufi	on entitled:	
	FAUL	T CIRCUIT INDICATOR AP	PARATUS, S	YSTEM, AND METHOD
The	specification of whi			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
] is attached hereto); ;		
-	was filed on			
<u> </u>	as United States	Application No.		
ľΖ				
<i>(C)</i>	filed on	T International Application No. August 6, 2019		PCT/IB2019/056694
The	above-identified app	plication was made or authorized to	be made by me	3.
I her	eby acknowledge th			on is punishable under 18 U.S.C. 1001 by
3M C assig contin by me termin all Le theret own r ntern contin part u nave I	OMPANY, and a cons, the entire right, to the entire right, to or made jointly with nation of, my employeters Patent, reexangle (including the rightame and to claim a ational conventions to the said inventioned by me had this peen by me had this	prioration of Delaware, having its partitle, and interest in and to the said in part) of said application, and in the others (provided any such improyment with 3M COMPANY and an initiations, reissues, or extensions that to apply for Letters Patent, Utility ny priority rights for such foreign a treaties, or otherwise), which have in part), renewal, reexamination, reon or improvements thereon, to be a assignment and transfer not beer	rincipal office at invention and a and to any and a wement is made of its existing of the Ur Models, or investigations to what is seen or may be insue, or other or held and enjoyer made;	ledged, I have agreed to assign and transfer S COMPANY, a wholly-owned subsidiary of Saint Paul, Minnesota, its successors and pplication, and in and to any division or all improvements in the said invention made during, or within one year after the or future subsidiaries), and in and to any and nited States of America and countries foreign nitors' Certificates in foreign countries in its sich such applications are entitled under e granted thereon or on any divisional, or further application based in whole or in end as fully and exclusively as they would
hat m	ay be deemed nece	SSAN by said Company in pugas	anneins, and 10	to execute and deliver without further perform such other acts as I lawfully may, and nominees, fully to secure its right, title, dels, or Inventors' Certificates in any and all
do he rante tle, ar	reby authorize and d upon any of the s nd interest therein.	request the Commissioner of Pate aid applications, to said 3M Innova	nts to issue any tive Properties (and all Letters Patent which may be Company, as the assignee of the entire right,
Name of the last o				
	al Name of Inventor			
	zio Markos			
inve	ntor's Signature:		Date:	
h	La (5/13/2	Ą

Case No:

81090WQ003

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:

· · · · · · · · · · · · · · · · · · ·	T CIRCUIT INDICATOR APP		SYSTEM, AND METHOD
The specification of wh	······································		
is attached herel			
		····	
was filed on as United States	Application No		
	, ,		
*****	CT International Application No.		PCT/IB2019/056694
filed on	August 6, 2019		
The above-identified a	oplication was made or authorized to	be made by n	ne.
	that any willful false statement made f not more than 5 years, or both.	in this declara	ition is punishable under 18 U.S.C. 1001 by
and do hereby assign a 3M COMPANY, and a assigns, the entire righ continuation (in whole or by me or made jointly watermination of, my emp all Letters Patent, reex- thereto (including the ri- own name and to claim international convention continuation (in whole or part upon the said invertion have been by me had to 3M COMPANY (in whole or part upon the said invertion)	and transfer unto the 3M INNOVATI' corporation of Delaware, having its of the title, and interest in and to the said or in part) of said application, and in with others (provided any such improloyment with 3M COMPANY and araminations, reissues, or extensions of the apply for Letters Patent, Utility any priority rights for such foreign and priority rights for such foreign and treaties, or otherwise), which have in part), renewal, reexamination, into or improvements thereon, to be this assignment and transfer not be any priority and transfer not be said the said transfer and transfer a	VE PROPERTI- principal office of invention and and to any and and any and any of its existing thereof, of the lay Models, or Implications to a pelications to a pelication or may be sue, or other thereof, or other and and enjoy made;	wledged, I have agreed to assign and transfer ES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or all improvements in the said invention made the during, or within one year after the gor future subsidiaries), and in and to any and United States of America and countries foreign ventors' Certificates in foreign countries in its which such applications are entitled under the granted thereon or on any divisional, are or further application based in whole or in oyed as fully and exclusively as they would
consideration any furth that may be deemed n	er applications, assignments, and decessary by said Company, its succ	ocuments, and essors, assigns	rs, to execute and deliver without further to perform such other acts as I lawfully may, s, and nominees, fully to secure its right, title, fodels, or Inventors' Certificates in any and all
	e said applications, to said 3M Innov		nny and all Letters Patent which may be is Company, as the assignee of the entire right,
Legal Name of Inver	ntor:		
Steven E. Turch			
Inventor's Signature		Date:	
Stewn &	? Turk	6	(16/20

PATENT

REEL: 055134 FRAME: 0659

RECORDED: 02/03/2021

Case No:

81090WO003

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:

FAULT CIRCUIT INDICATOR AF	PPARATUS, SYSTEM, AND METHOD
Fhe specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on August 6, 2019	PCT/IB2019/056694
The above-identified application was made or authorized	to be made by me.
hereby acknowledge that any willful false statement mad ine or imprisonment of not more than 5 years, or both.	de in this declaration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unto the 3M INNOVATEM COMPANY, and a corporation of Delaware, having its assigns, the entire right, title, and interest in and to the sacontinuation (in whole or in part) of said application, and it by me or made jointly with others (provided any such impermination of, my employment with 3M COMPANY and all Letters Patent, reexaminations, reissues, or extension hereto (including the right to apply for Letters Patent, Utilizational conventions, treaties, or otherwise), which he continuation (in whole or in part), renewal, reexamination part upon the said invention or improvements thereon, to have been by me had this assignment and transfer not be do further agree for myself and for my heirs, executors, consideration any further applications, assignments, and hat may be deemed necessary by said Company, its such	any of its existing or future subsidiaries), and in and to any and is thereof, of the United States of America and countries foreign lity Models, or Inventors' Certificates in foreign countries in its applications to which such applications are entitled under ave been or may be granted thereon or on any divisional, , reissue, or other or further application based in whole or in be held and enjoyed as fully and exclusively as they would
do hereby authorize and request the Commissioner of F granted upon any of the said applications, to said 3M Inni itle, and interest therein.	Patents to issue any and all Letters Patent which may be ovative Properties Company, as the assignee of the entire right
Legal Name of Inventor:	
Shuguang Wu	
Inventor's Signature:	Date: 05/11/2020
Shunagaa (1)u	