#### 06/11/2015 503346075

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3392695

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DAVID ROBERT MEKALA	04/29/2015
MARK A WRIGHT	04/23/2015
JUNG-SHENG WU	04/23/2015

### **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:	14651391

### 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: 651-733-1500 Email: asmiller@mmm.com

3M INNOVATIVE PROPERTIES COMPANY Correspondent Name:

Address Line 1: PO BOX 33427

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

ATTORNEY DOCKET NUMBER:	68465US004	
NAME OF SUBMITTER:	AMANDA MILLER	
SIGNATURE:	/Amanda Miller/	
DATE SIGNED:	06/11/2015	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

#### **Total Attachments: 3**

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> **PATENT REEL: 035822 FRAME: 0989** 503346075

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

Case No:

68465US004

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:

According to the control of the cont	ICILE LOADED, FIBER-REINFO	PRCED COMPOSITE MATERIALS
The specification of w	hich:	
is attached heret	o;	
was filed on as United States	Application No.	
is identified as Pifiled on	CT International Application No.  December 12, 2013	PCT/US2013/074525
The above-identified a	application was made or authorized to b	e made by me.
	that any willful false statement made in of not more than 5 years, or both.	n 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 email Letters Patent, reethereto (including the own name and to claim international conventional continuation (in whole part upon the said inv	and transfer unto the 3M INNOVATIVE corporation of Delaware, having its print, title, and interest in and to the said in or in part) of said application, and in arwith others (provided any such improve ployment with 3M COMPANY and any examinations, reissues, or extensions the right to apply for Letters Patent, Utility in any priority rights for such foreign appoint, treaties, or otherwise), which have or in part), renewal, reexamination, reis	nich is acknowledged, I have agreed to assign and transfer PROPERTIES COMPANY, a wholly-owned subsidiary of noipal 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 ament 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, ssue, or other or further application based in whole or in held and enjoyed as fully and exclusively as they would made;
consideration any furt that may be deemed	her applications, assignments, and doc necessary by said Company, its succes	administrators, to execute and deliver without further uments, and to perform such other acts as I lawfully may, isors, assigns, and nominees, fully to secure its right, title, atent, Utility Models, or Inventors' Certificates in any and al
	he said applications, to said 3M Innoval	nts to issue any and all Letters Patent which may be tive Properties Company, as the assignee of the entire righ
Legal Name of Inver	manananan NOT:	
David Robert M		and the second
Inventor's Signature	U Dan	Date: 4377 29,2775

PATENT REEL: 035822 FRAME: 0990

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

Case No:

68465US004

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:

application and for whi	ich a patent is sought on the invention	on entitled:	
PARTI	CILE LOADED, FIBER-REINI	FORCED C	OMPOSITE MATERIALS
The specification of wh	nich:		
is attached hereto	o;		
was filed on as United States	Application No.		
⊠ is identified as P0 filed on	CT International Application No.  December 12, 2013		PCT/US2013/074525
The above-identified a	pplication was made or authorized to	o be made by i	me.
I hereby acknowledge fine or imprisonment o	that any willful false statement made f not more than 5 years, or both.	e in this declar	ation 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, reex thereto (including the rown name and to claim international convention continuation (in whole part upon the said investigation).	and transfer unto the 3M INNOVATI' corporation of Delaware, having its at, title, and interest in and to the said or in part) of said application, and in with others (provided any such improvioyment with 3M COMPANY and at examinations, reissues, or extensions right to apply for Letters Patent, Utility any priority rights for such foreign any priority rights for such foreign and treaties, or otherwise), which have or in part), renewal, reexamination, in	VE PROPERT principal office d invention and and to any an overent is many of its existin thereof, of the y Models, or Ir applications to we been or mare issue, or other held and enjections and and enjections to the held and enjections and the held and enjections and the held and enjections and the held and enjections are the held and enjections and the held and enjections are the held and enjections and the held and enjections are the held and enjections and the held and enjections are the held and the	owledged, I have agreed to assign and transfer IES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and I application, and in and to any division or d all improvements in the said invention made de during, or within one year after the g or future subsidiaries), and in and to any and United States of America and countries foreign eventors' Certificates in foreign countries in its which such applications are entitled underly be granted thereon or on any divisional, ar or further application based in whole or in oyed as fully and exclusively as they would
consideration any furth that may be deemed n	ner applications, assignments, and di recessary by said Company, its succ	ocuments, and essors, assign	ors, to execute and deliver without further I to perform such other acts as I lawfully may, s, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all
I do hereby authorize a granted upon any of the title, and interest there	e said applications, to said 3M Innov	itents to issue vative Properti	any and all Letters Patent which may be es Company, as the assignee of the entire righ
Legal Name of Invent	tor:		
Jung-Sheng Wu	žen		
Inventor's Signature:	hall L	Date:	/23/2015

PATENT REEL: 035822 FRAME: 0991

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

fine or imprisonment of not more than 5 years, or both.

Case No:

68465US004

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:

PARTI	CILE LOADED, FIBER-REINFOR	CED COMPOSITE MATERIALS
The specification of wh	ich:	
is attached hereto	X.	
was filed on as United States A	Application No.	
is identified as PC filed on	T international Application No. December 12, 2013	PCT/US2013/074525

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:	
Mark A. Wright	
Inventor's Signature:	Date: /
27,42/26	4/23/15

PATENT REEL: 035822 FRAME: 0992

**RECORDED: 06/11/2015**