#### 504330742 04/20/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 **EPAS ID: PAT4377428** 

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
XIAOYANG BAI	04/18/2017
ZHIJUN YANG	04/18/2017
MIN DING	04/18/2017

#### **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:	15520657

#### 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: ttcollier@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:	75661US004	
NAME OF SUBMITTER:	THERESA T. COLLIER	
SIGNATURE:	/Theresa T. Collier/	
DATE SIGNED:	04/20/2017	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

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

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**PATENT** REEL: 042082 FRAME: 0881 504330742

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

Case No.

75661US004

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	ch a patent is sought on the inventio	n entitled:	
PATCH CORD	AND MANAGEMENT SYSTEI	M AND MAN	AGEMENT METHOD THEREOF
The specification of wh	iich:		
is attached hereto	o;		
was filed on as United States	Application No.		
is identified as PC filed on	T International Application No. 26 November 2015		PCT/CN2015/095651
The above-identified a	oplication was made or authorized to	be made by m	e
	that any willful false statement made f not more than 5 years, or both.	in this declarat	ion 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 by me or made jointly to termination of, my emp all Letters Patent, reex thereto (including the rown name and to claim international convention continuation (in whole part upon the said inve	and transfer unto the 3M INNOVATIN corporation of Delaware, having its part, title, and interest in and to the said or in part) of said application, and in with others (provided any such improvided and any animations, reissues, or extensions ight to apply for Letters Patent, Utility any priority rights for such foreign ans, treaties, or otherwise), which have or in part), renewal, reexamination, recommendation, recomme	VE PROPERTIE orincipal office a linvention and a linvention and a linvention and a linvention and to any of its existing thereof, of the U Models, or Inventions to was been or may eissue, or other e held and enjo	vledged, I have agreed to assign and transfer is COMPANY, a wholly-owned subsidiary of a Saint Paul, Minnesota, its successors and application, and in and to any division or all improvements in the said invention made a during, or within one year after the or future subsidiaries), and in and to any and Inited States of America and countries foreign entors' Certificates in foreign countries in its which such applications are entitled under be granted thereon or on any divisional, or further application based in whole or in yed as fully and exclusively as they would
consideration any furth that may be deemed n	er applications, assignments, and de ecessary by said Company, its succ	ocuments, and t essors, assigns	s, to execute and deliver without further o perform such other acts as I lawfully may, and nominees, fully to secure its right, title, odels, or Inventors' Certificates in any and all
	e said applications, to said 3M Innov		ny and all Letters Patent which may be company, as the assignee of the entire right,
Legal Name of Invent	Ot.		
Xiaoyang ≌≊i			
Inventor's Signature:		Date:	
Xiaoyang	Bai	201	7.4.18

PATENT REEL: 042082 FRAME: 0882

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

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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	on a patent is sought on the invention	on enunea.		
PATCH CORD	AND MANAGEMENT SYSTE	M AND MA	NAGEMENT MET	HOD THEREOF
The specification of wh	nich:			
is attached hereto	D <sub>i</sub>			
□ was filed on as United States	Application No.			
is identified as Po	CT International Application No. 26 November 2015		PCT/CN2015/095	651
The above-identified a	pplication was made or authorized t	o be made by	me.	
	that any willful false statement mad f not more than 5 years, or both.	e in this declar	ation is punishable ur	nder 18 U.S.C. 1901 by
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 inventage).	and transfer unto the 3M INNOVATI corporation of Delaware, having its at, title, and interest in and to the sai or in part) of said application, and in with others (provided any such imprologment with 3M COMPANY and attaininations, reissues, or extensions right to apply for Letters Patent, Utilitin any priority rights for such foreign ons, treaties, or otherwise), which have or in part), renewal, reexamination, ention or improvements thereon, to this assignment and transfer not be	principal officed invention and to any ar overnent is many of its existing thereof, of the ty Models, or leapplications to we been or mare held and en made;	e at Saint Paul, Minne d application, and in a nd all improvements in ade during, or within o ng or future subsidiarie e United States of Am nventors' Certificates which such application be granted thereon ner or further application ijoyed as fully and excent	sota, its successors and and to any division or in the said invention made one year after the less), and in and to any and lerica and countries foreign in foreign countries in its ons are entitled under or on any divisional, on based in whole or in clusively as they would
consideration any furth that may be deemed r	nyself and for my heirs, executors, a ner applications, assignments, and d necessary by said Company, its suck aid and to obtain or maintain Letters	locuments, an cessors, assigi	d to perform such oth ns, and nominees, ful	er acts as I lawfully may, ly to secure its right, title,
I do hereby authorize granted upon any of tr title, and interest there	and request the Commissioner of Pa le said applications, to said 3M Inno in.	atents to issue vative Propert	any and all Letters Pries Company, as the	atent which may be assignee of the entire right
Legal Name of Inven	for			· · · · · · · · · · · · · · · · · · ·
Zhijun Yang	io.			initia
Inventor's Signature:		Date:		
Yana z	hijan	200	7 Apr. 18.	***************************************

PATENT REEL: 042082 FRAME: 0883

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

Case No:

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As a below named inventor, I believe I am an original inve application and for which a patent is sought on the inventio	ntor or an original joint inventor of a claimed invention in the in entitled:
PATCH CORD AND MANAGEMENT SYSTE	M AND MANAGEMENT METHOD THEREOF
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on 26 November 2015	PCT/CN2015/095651
The above-identified application was made or authorized to	be made by me.
I hereby acknowledge that any willful false statement made fine or imprisonment of not more than 5 years, or both.	e in this declaration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unto the 3M INNOVATIV 3M COMPANY, and a corporation of Delaware, having its passigns, the entire right, title, and interest in and to the said continuation (in whole or in part) of said application, and in by me or made jointly with others (provided any such improtermination of, my employment with 3M COMPANY and an aff Letters Patent, reexaminations, reissues, or extensions	and to any and all improvements in the said invention made overment is made during, or within one year after the by of its existing or future subsidiaries), and in and to any and thereof, of the United States of America and countries foreign y 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, reissue, or other or further application based in whole or in the held and enjoyed as fully and exclusively as they would
that may be deemed necessary by said Company, its succ	nd administrators, to execute and deliver without further ocuments, 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
I do hereby authorize and request the Commissioner of Pagranted upon any of the said applications, to said 3M Innovititle, and interest therein.	tents to issue any and all Letters Patent which may be vative Properties Company, as the assignee of the entire right,
Legal Name of Inventor;	
Min Ding	
Inventor's Signature:	Date:
Min Ding	2017, 4, 18

**PATENT** REEL: 042082 FRAME: 0884

RECORDED: 04/20/2017