## 504401242 06/07/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4447941

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
HONGYING JIANG	05/10/2017
MASAYUKI NAKAMURA	05/10/2017
XUAN JIANG	05/10/2017
CATHERINE A. BOTHOF	06/06/2017

#### **RECEIVING PARTY DATA**

Name:	3M INNOVATIVE PROPERTIES COMPANY	
Street Address: 3M CENTER		
Internal Address:	ternal Address: P.O. BOX 33427	
City:	ST. PAUL	
State/Country:	State/Country: MINNESOTA	
Postal Code:	55133-3427	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15533688

#### **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:** 651-733-1500

Email: cmwagner01@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: PO BOX 33427

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

ATTORNEY DOCKET NUMBER:	75938US006
NAME OF SUBMITTER: COLLEEN M. WAGNER	
SIGNATURE:	/Colleen M. Wagner/
DATE SIGNED:	06/07/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 4** 

source=DeclarationAssignment\_75938US006#page1.tif source=DeclarationAssignment\_75938US006#page2.tif source=DeclarationAssignment\_75938US006#page3.tif source=DeclarationAssignment\_75938US006#page4.tif

Case No:

75938US006

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:

LUCIFERIN-C	ONTAINING SUBSTRATE AN SUBST		PRING DEVICE INCLUDING THE	
The specification of wh	nich:	<del>'n na<b>-a</b></del>		_
is attached hereto	o;			
was filed on as United States	Application No.			
is identified as PC filed on	T International Application No.  December 4, 2015		PCT/US2015/063939	_
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 declar	ration is punishable under 18 U.S.C. 1001 by	
and do hereby assign 3M COMPANY, and a assigns, the entire righ 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 invelopment upon the said invelopme	and transfer unto the 3M INNOVATIVe 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 improved in the said application, and an examinations, reissues, or extensions tright to apply for Letters Patent, Utility in any priority rights for such foreign a construction, renewal, reexamination, restling or impart), renewal, reexamination, restling or impart), renewal, reexamination, restling or improvements thereon, to be this assignment and transfer not been expected and for my heirs, executors, and detection or improvements in the said and to obtain or maintain Letters for and request the Commissioner of Patental Commissioner of Patental Interest in the said and request the Commissioner of Patental Interest in the said and request the Commissioner of Patental Interest in the said and request the Commissioner of Patental Interest in the said and request the Commissioner of Patental Interest in the said and request the Commissioner of Patental Interest in the said and request the Commissioner of Patental Interest in the said and request the Commissioner of Patental Interest in the said and request the Commissioner of Patental Interest in the said and request the Commissioner of Patental Interest in the said and request the Commissioner of Patental Interest in the said and request the Commissioner of Patental Interest in the said and request the Commissioner of Patental Interest in the said and request the Commissioner of Patental Interest in the said and request the Commissioner of Patental Interest in the said and request the Commissioner of Patental Interest in the said and request the Commissioner of Patental Interest in the said and request the s	VE PROPERT orincipal office invention and to any are overnent is many of its existing thereof, of the polications to be deen or many end administration administration of the patternt, utility tents to issue tents to issue tents to issue	owledged, I have agreed to assign and transfer IES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and displication, and in and to any division or ad all improvements in the said invention made and during, or within one year after the ag or future subsidiaries), and in and to any and United States of America and countries foreign reventors' Certificates in foreign countries in its which such applications are entitled under as be granted thereon or on any divisional, her or further application based in whole or in joyed as fully and exclusively as they would cors, to execute and deliver without further ad to perform such other acts as I lawfully may, as, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all Letters Patent which may be ites Company, as the assignee of the entire rig	f d jn
title, and interest there	in.			
Legal Name of Invent	tor:			
Hongying Jiang		Date:		
Inventor's Signature:	2.00	Date.	5/10/2017	

Case No:

75938US006

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:

	LUCIFERIN-CO		AND MONIT	ORING DEVICE INCLUDING THE
The	specification of wh	nich:		
	is attached hereto	o;		
	was filed on as United States	Application No.		
$\boxtimes$	is identified as PC filed on	CT International Application No.  December 4, 2015		PCT/US2015/063939
The	above-identified a	pplication was made or authoriz	ed to be made by	y me.
		that any willful false statement n f not more than 5 years, or both.		aration is punishable under 18 U.S.C. 1001 by
and 3M (assi confidence) assi by notermall L ther own interconfidence) and l do consthat and	do hereby assign a COMPANY, and a gns, the entire right tinuation (in whole ne or made jointly white and to claim the result of the control o	and transfer unto the 3M INNOV corporation of Delaware, having it, title, and interest in and to the or in part) of said application, ar with others (provided any such it bloyment with 3M COMPANY and caminations, reissues, or extensifight to apply for Letters Patent, In any priority rights for such foreins, treaties, or otherwise), which or in part), renewal, reexamination or improvements thereon, this assignment and transfer not expected and for my heirs, executor applications, assignments, and ecessary by said Company, its	ATIVE PROPER its principal office said invention a and in and to any a improvement is made any of its exist ions thereof, of the Utility Models, or its papplications in have been or not to be held and extended to be a deministration of the documents, a successors, assistant documents.	nowledged, I have agreed to assign and transfer RTIES COMPANY, a wholly-owned subsidiary of ce at Saint Paul, Minnesota, its successors and application, and in and to any division or and all improvements in the said invention made hade during, or within one year after the ing or future subsidiaries), and in and to any and he United States of America and countries foreign Inventors' Certificates in foreign countries in its to which such applications are entitled under may be granted thereon or on any divisional, ther or further application based in whole or in enjoyed as fully and exclusively as they would ators, to execute and deliver without further and to perform such other acts as I lawfully may, gns, and nominees, fully to secure its right, title, y Models, or Inventors' Certificates in any and all
grar		e said applications, to said 3M l		e any and all Letters Patent which may be rties Company, as the assignee of the entire right,
Le	gal Name of Inven	tor:		
D	asayuki Nakan	nura		
lnv	ventor's Signature:		Date:	
	Managent	la Makamura	5	/10/17

Case No:

75938US006

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:

LUCIFERIN-(	CONTAINING SUBSTRATE AND SUBSTR	D MONITORING DEVICE INCLUDING THE RATE
The specification of v	which:	
is attached here	eto;	
was filed on as United States	s Application No.	
is identified as F	PCT International Application No.  December 4, 2015	PCT/US2015/063939
The above-identified	application was made or authorized to b	be made by me.
	e that any willful false statement made in 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 assigns, the entire rig continuation (in whole by me or made jointly termination of, my en all Letters Patent, resthereto (including the own name and to clainternational convent continuation (in whole part upon the said in have been by me had	n and transfer unto the 3M INNOVATIVE a corporation of Delaware, having its pright, title, and interest in and to the said in e or in part) of said application, and in any with others (provided any such improve apployment with 3M COMPANY and any examinations, reissues, or extensions the right to apply for Letters Patent, Utility I many priority rights for such foreign applicans, treaties, or otherwise), which have e or in part), renewal, reexamination, reivention or improvements thereon, to be a difficult assignment and transfer not been	
consideration any fur that may be deemed	ther applications, assignments, and doc necessary by said Company, its succes	d administrators, to execute and deliver without further cuments, and to perform such other acts as I lawfully may, ssors, assigns, and nominees, fully to secure its right, title, atent, Utility Models, or Inventors' Certificates in any and a
	the said applications, to said 3M Innova	ents to issue any and all Letters Patent which may be ative Properties Company, as the assignee of the entire rig
Legal Name of Inve	ntor:	
Xuan Jiang		
Inventor's Signature	ə: [ [	Date:
//2		5/10/2017

Case No:

75938US006

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:

# LUCIFERIN-CONTAINING SUBSTRATE AND MONITORING DEVICE INCLUDING THE **SUBSTRATE** The specification of which: is attached hereto; was filed on as United States Application No. is identified as PCT International Application No. PCT/US2015/063939 filed on December 4, 2015 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: Catherine A. Bothof Inventor's Signature: Date: 6-6-17

PATENT REEL: 042630 FRAME: 0256

RECORDED: 06/07/2017