PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3897497

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MASAYUKI KUBOTA	05/26/2016
TAISHI TOKUNAGA	05/23/2016
TAKAYOSHI FUJINO	05/23/2016
KATSUNORI SAKAI	05/23/2016
HIROKI WAKAMATSU	05/23/2016

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:	14975960

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: pjbick@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:	75006US006
NAME OF SUBMITTER:	PAULA J. BICK
SIGNATURE:	/Paula J. Bick/
DATE SIGNED:	06/01/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5

PATENT REEL: 038763 FRAME: 0010

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Case No:

75006US006

	APPLICATION DEV	/ICE AND APP	LICATION	METHOD	
The specification of wh	nich:				
is attached hereto	> ;				
⊠ was filed on	December 21, 2015				
as United States			14/97	5,960	
is identified as PC filed on	CT International Application	1 No.			
The above-identified a	pplication was made or au	thorized to be mad	e by me.		
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 empall Letters Patent, reex thereto (including the rown name and to claim international convention continuation (in whole part upon the said inverted to the part upon the said inverted to the	and valuable consideration, and transfer unto the 3M Incorporation of Delaware, hot, title, and interest in and or in part) of said application with others (provided any soloyment with 3M COMPAI raminations, reissues, or exight to apply for Letters Panany priority rights for such any priority rights for such treaties, or otherwise), or in part), renewal, reexamention or improvements the this assignment and transfersystell and for my heirs, exempts the system of the system o	NNOVATIVE PROI naving its principal to the said invention, and in and to a such improvement NY and any of its extensions thereof, it itent, Utility Models in foreign application which have been in mination, reissue, of the reon, to be held are fer not been made;	PERTIES COI office at Saint on and applica ny and all imp is made durin existing or futu of the United S or Inventors' ons to which so or may be gra or other or furt and enjoyed as	MPANY, a wholly-o Paul, Minnesota, it tion, and in and to rovements in the same g, or within one year re subsidiaries), an States of America a Certificates in fore uch applications are nted thereon or on her application bas fully and exclusive	wned subsidiary of its successors and any division or aid invention made ir after the d in and to any and ind countries foreign ign countries in its e entitled under any divisional, ed in whole or in iy as they would
consideration any furth	nysen and for my neits, ext ner applications, assignment necessary by said Company aid and to obtain or maintai	nts, and document y, its successors, a	s, and to perfo issigns, and n	orm such other acts ominees, fully to se	as I lawfully may, ocure its right, title,
I do hereby authorize a granted upon any of th title, and interest there	and request the Commission is said applications, to said in.	oner of Patents to i I 3M Innovative Pr	ssue any and operties Comp	all Letters Patent w pany, as the assign	which may be ee of the entire right
Legal Name of Invent					
Masayuki Kuboti	3		******		
Inventor's Signature:		Date:		arii ise	s
Masayu	ki Kubota		May	26, 2011	5

Case No:

75006US006

	ventor, I believe I am an original inversion a patent is sought on the invention		inal joint inventor of a claimed invention in the
	APPLICATION DEVICE AN	D APPLICA	TION METHOD
The specification of w	hich:		
is attached heret	o;		
was filed on as United States	December 21, 2015		14/975,960
	CT International Application No.		
The above-identified a	application was made or authorized to	be made by r	ne.
	that any willful false statement made of not more than 5 years, or both.	in this declar	ation is punishable under 18 U.S.C. 1001 by
and do hereby assign 3M COMPANY, and a assigns, the entire rigicontinuation (in whole by me or made jointly termination of, my em all Letters Patent, ree thereto (including the own name and to claim international conventional conventional continuation (in whole part upon the said inv	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 improployment with 3M COMPANY and an examinations, reissues, or extensions in the apply for Letters Patent, Utility many priority rights for such foreign a cons, treaties, or otherwise), which have or in part), renewal, reexamination, renewal, renewal, reexamination, renewal,	/E PROPERT principal office invention and any and to any and we ment is made y of its existing thereof, of the polications to been or made issue, or other held and enjection and enject	wiledged, I have agreed to assign and transfer IES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or dall improvements in the said invention made de 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 underly be 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 furt that may be deemed in	her applications, assignments, and do necessary by said Company, its succ	ocuments, and essors, assign	ors, to execute and deliver without further 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 granted upon any of ti title, and interest there	he said applications, to said 3M Innov	tents to issue rative Propertion	any and all Letters Patent which may be es Company, as the assignee of the entire right,
Legal Name of Inver	ntor:		
Taishi Tokunagi			
Inventor's Signature:		Date:	
Taishi	Tokunaga	1	lay 23, 2016

Case No:

75006US006

	APPLICATION DEVICE	IND APPLICATION METHOD
The specification of w	hich	
is attached heret	o;	
was filed on	December 21, 2015	
as United States		14/975,960
is identified as Po	CT International Application No.	
The above-identified a	application was made or authorize	I to be made by me.
and do hereby assign 3M COMPANY, and a assigns, the entire rigil continuation (in whole by me or made jointly termination of, my email Letters Patent, reenthereto (including the own name and to clair international convention continuation (in whole part upon the said invibate been by me had I do further agree for reconsideration any furtil	and transfer unto the 3M INNOVA a corporation of Delaware, having in the title, and interest in and to the second part) of said application, and with others (provided any such imployment with 3M COMPANY and xaminations, reissues, or extension right to apply for Letters Patent, Umany priority rights for such foreigns, treaties, or otherwise), which or in part), renewal, reexamination ention or improvements thereon, the this assignment and transfer not interest and for my heirs, executors ther applications, assignments, and	, and administrators, to execute and deliver without further documents, and to perform such other acts as I lawfully may,
that may be deemed r	necessary by said Company, its su	iccessors, assigns, and nominees, fully to secure its right, title, rs Patent, Utility Models, or Inventors' Certificates in any and all
I do hereby authorize granted upon any of ti title, and interest there	he said applications, to said 3M In	Patents to issue any and all Letters Patent which may be novative Properties Company, as the assignee of the entire righ
Legal Name of Inven		
Takayoshi Fujin		
Inventor's Signature:	and the second s	Date:
Takavos	hi Fijino	May 23, 2016

Case No:

75006US006

		ve I am an original inve s sought on the invention		ginal joint inventor of a claimed invention in the
	APPLIC	ATION DEVICE AN	ID APPLICA	ATION METHOD
The specification of wh	ich:			
is attached hereto				
⊠ was filed on	Decembe	r 21, 2015		
as United States				14/975,960
is identified as PC filed on	T Internatio	nal Application No.		
The above-identified a	oplication w	as made or authorized t	o be made by	me.
fine or imprisonment of in addition, for good an and do hereby assign a 3M COMPANY, and a assigns, the entire righ continuation (in whole oby me or made jointly of termination of, my empall Letters Patent, reex thereto (including the riown name and to claim international convention continuation (in whole opart upon the said invelove have been by me had to the said invelove the said invel	d valuable of transfer corporation to title, and in the part of th	consideration, receipt of unto the 3M INNOVATI of Delaware, having its nterest in and to the said said application, and in provided any such improvided any such foreign or otherwise), which has newal, reexamination, rovements thereon, to be until and transfer not be until and transfer not be	which is acknown VE PROPERT principal office dinvention and any are overment is many of its existing thereof, of the applications to we been or mare issue, or other held and enen made;	ration is punishable under 18 U.S.C. 1001 by nowledged, I have agreed to assign and transfer TIES COMPANY, a wholly-owned subsidiary of e at Saint Paul, Minnesota, its successors and id application, and in and to any division or and all improvements in the said invention made ade during, or within one year after the age or future subsidiaries), and in and to any and a United States of America and countries foreign inventors' Certificates in foreign countries in its owhich such applications are entitled under any be granted thereon or on any divisional, her or further application based in whole or in anjoyed as fully and exclusively as they would
consideration any furth that may be deemed no	er application	ons, assignments, and di said Company, its succ	locuments, and essors, assign	tors, to execute and deliver without further id to perform such other acts as I lawfully may, ns, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all
	e said applic			any and all Letters Patent which may be ties Company, as the assignee of the entire right
Legal Name of Invent	or:	***************************************		
Katsunori Sakai			· · · · · · · · · · · · · · · · · · ·	
Inventor's Signature:			Date:	
Katsu	nohi	Sakai	Mo	·y 23, 2016

Case No:

75006US006

	APPLICATION DEVICE AN	D APPLICATION METHOD
The specification of	which:	
is attached her	eto;	
was filed on	December 21, 2015	
as United State	es Application No.	14/975,960
is identified as filed on	PCT International Application No.	
The above-identified	application was made or authorized to	be made by me.
fine or imprisonment in addition, for good and do hereby assig 3M COMPANY, and assigns, the entire ricontinuation (in who by me or made joint termination of, my eall Letters Patent, rethereto (including thown name and to clainternational conventionation (in who part upon the said in the part upon the part u	and valuable consideration, receipt of an and transfer unto the 3M INNOVATIVE a corporation of Delaware, having its pight, title, and interest in and to the said le or in part) of said application, and in ly with others (provided any such impromptoyment with 3M COMPANY and an examinations, reissues, or extensions to eright to apply for Letters Patent, Utility aim any priority rights for such foreign autions, treaties, or otherwise), which havile or in part), renewal, reexamination, revention or improvements thereon, to be ad this assignment and transfer not bee	
consideration any futhat may be deemed	irther applications, assignments, and do I 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 authoriz granted upon any of title, and interest the	the said applications, to said 3M Innov	tents to issue any and all Letters Patent which may be alive Properties Company, as the assignee of the entire right
Legal Name of Inv		
Hiroki Wakama		
Inventor's Signatur	e:	Date:

PATENT REEL: 038763 FRAME: 0016

RECORDED: 06/01/2016

Hiroki Wakamatsu