502814866 05/19/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2861460

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
BRIAN M. COLE	05/01/2014	
DONALD G. DOSS	05/15/2014	

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:	14359253

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: lengel@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:	68153US004
NAME OF SUBMITTER:	LINDA ENGEL
SIGNATURE:	/Linda Engel/
DATE SIGNED:	05/19/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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PATENT 502814866 REEL: 032925 FRAME: 0452

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

Case No:

68153US004

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:

₹ .	MBLY WITH PRINTED CIRCUIT BOARD ON FEATURES
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on November 27, 2012	PCT/US2012/066628
The above-identified application was made or authorized to	o 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 INNOVATI 3M COMPANY, and a corporation of Delaware, having its assigns, 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 ar all Letters Patent, reexaminations, reissues, or extensions	and to any and all improvements in the said invention made overnent is made during, or within one year after the my 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 Pa granted upon any of the said applications, to said 3M Innov title, and interest therein.	itents to issue any and all Letters Patent which may be vative Properties Company, as the assignee of the entire right
Legal Name of Inventor: Brian M. Cole	
Inventor's Signature:	Date: 5/1/20/4

PATENT REEL: 032925 FRAME: 0453

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

Case No:

88153US004

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:

OPTICAL	The control of the co	BLY WITH PRINTED CIRCUIT BOA IN FEATURES	RD
The specification of w	hich:		
is attached heret	0;		
was filed on as United States	Application No.		han a sa a chaireann a chai
water was a same and and a second		La constant de la con	
is identified as Pi	CT International Application No. November 27, 2012	PCT/US2012/066628	
The above-identified a	application was made or authorized to	be made by me.	
	that any willful false statement made 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 a assigns, the entire right continuation (in whole by me or made jointly termination of, my empall Letters Patent, reexthereto (including the lown name and to clair international convention continuation (in whole part upon the said investign.)	and transfer unto the 3M INNOVATT corporation of Delaware, having its of its int, 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 arcaminations, reissues, or extensions right to apply for Letters Patent, Utility in any priority rights for such foreign and treaties, or otherwise), which have or in part), renewal, reexamination, to	which is acknowledged, I have agreed to assi E PROPERTIES COMPANY, a wholly-owner rincipal office at Saint Paul, Minnesota, its su invention and application, and in and to any and to any and all improvements in the said in vement is made during, or within one year aft y of its existing or future subsidiaries), and in hereof, of the United States of America and of Models, or Inventors' Certificates in foreign of polications to which such applications are ent e been or may be granted thereon or on any elissue, or other or further application based in theid and enjoyed as fully and exclusively as a made;	ed subsidiary of accessors and division or any ention made ter the and to any and countries foreign countries in its titled under divisional, any whole or in
consideration any furth	ner applications, assignments, and de ecessary by said Company, its succ	d administrators, to execute and deliver with cuments, and to perform such other acts as I ssors, assigns, and nominees, fully to secure atent, Utility Models, or Inventors' Certificate	l lawfully may, e its right, title,
	e said applications, to said 3M Innov	ents to issue any and all Letters Patent which ative Properties Company, as the assignee of	
Legal Name of Inveni Donald G. Doss	Or.		***************************************
inventor's Signature:	and the second	Date:	Salandi inagalijuga arayyuu ahaa
D _{om}	ald IDoll	5-15-14	

PATENT REEL: 032925 FRAME: 0454

RECORDED: 05/19/2014