503053790 11/10/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3100390

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOSEPH C. CARLS	10/08/2014
JAMES M. NELSON	10/08/2014
CHARLES N. DEVORE	10/08/2014
DWIGHT G. BALDWIN	10/21/2014

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:	14399989

CORRESPONDENCE DATA

Fax Number:

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: mekosloski@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:	68313US005
NAME OF SUBMITTER:	MYCKI E. KOSLOSKI
SIGNATURE:	/Mycki E. Kosloski/
DATE SIGNED:	11/10/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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503053790 PATENT REEL: 034132 FRAME: 0630

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PATENT REEL: 034132 FRAME: 0631

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

Case No:

68313US005

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 COMPONENT ARRAY			
The specification of which: is attached hereto;			
was filed on as United States Application No.			
is identified as PCT International Application No. filed on June 20, 2013	PCT/US2013/046683		

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:	
Joseph C. Carls	
Inventor's Signature:	Date:
Jay LCA	10/08/2014

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

Case No:

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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:			
James M. Nelson			
Inventor's Signature:	1 1 1	Date:	
4/01/4	M. Z/VIII.	10/8/14	
<u> </u>		L	

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:

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The	specification of which			
	is attached hereto;			
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83	filed on I J	nternational Application No. une 20, 2013	.	PCT/US2013/046683

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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:	
Charles N. DeVore	
Inventor's Signature	Cete
Male n. QVa	_ 10/8/2014

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 inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

		OPTI	CAL COMPON	VENT AF	RAY		
The sp	pecification of wh	ich:					
□ is	s attached hereto	.					
	vas filed on s United States	Application No.					
	s identified as PC led on	T International Applica June 20, 2013	ation No.		PCT/US2013/04	6683	
The al	pove-identified a	oplication was made o	r authorized to be	made by	me.		
		that any willful false st f not more than 5 years		this declar	ation is punishable	under 18 U.S.C. 100	1 by
and do 3M CC assign continu by me termin all Lett thereto own n internat continu part up have t	to hereby assign a DMPANY, and a last the entire right uation (in whole or made jointly lation of, my empters Patent, reex to (including the rame and to clain ational convention uation (in whole pon the said invested by me had	id valuable consideration transfer unto the 3 corporation of Delawa I, title, and interest in a or in part) of said application to the said application of the said apply for Lettern any priority rights for ns, treaties, or otherwior in part), renewal, restition or improvements this assignment and transport as a corporation or improvements and transport as a corporation or improvements and transport as a corporation or improvements and transport and transport and transport are corporation or improvements and transport are corporation or improvements.	M INNOVATIVE re, having its prin and to the said invication, and in and invisor IPANY and any o or extensions the s Patent, Utility M such foreign app se), which have the examination, reis thereon, to be hansfer not been in the such foreign app se the samination.	PROPERT cipal office vention and to any an ment is mand its existing reof, of the lodels, or lications to been or manded and en made;	TES COMPANY, a at Saint Paul, Minr di application, and ir id all improvements de during, or within g or future subsidia United States of Anventors' Certificate which such applicate or further applicate or further applicationed as fully and e	wholly-owned subsiduesota, its successora and to any division a in the said invention one year after the ries), and in and to a merica and countries it in foreign countries ations are entitled uncon or on any divisionation based in whole exclusively as they wo	iary of s and or made ny and foreign in its der al, or in buld
consider that me	deration any furth nay be deemed n	nyself and for my heirs ter applications, assign ecessary by said Com aid and to obtain or ma	nments, and docu pany, its success	iments, and iors, assign	d to perform such ones, and nominees, f	ther acts as I lawfully ully to secure its right	may, t, title,
grante	ereby authorize and upon any of the interest there	and request the Comm e said applications, to in.	issioner of Paten said 3M Innovati	its to issue ve Propert	any and all Letters ies Company, as th	Patent which may be e assignee of the ent	i ire righi
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8	ntor's Signature:	131	i n)ate:		······	
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RECORDED: 11/10/2014