PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3636978

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GREGG A. AMBUR	10/06/2015
TIMOTHY L. WONG	10/02/2015
ANDREW J. OUDERKIRK	11/10/2015

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:	14865543

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.

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: P.O. BOX 33427

Address Line 4: SAINT PAUL, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER:	76998US002	
NAME OF SUBMITTER:	LINDA ENGEL	
SIGNATURE:	/Linda Engel/	
DATE SIGNED: 12/01/2015		
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 4

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PATENT 503590348 REEL: 037177 FRAME: 0097

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PATENT REEL: 037177 FRAME: 0098

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

Case No:

76998US002

As a below named inventor, I believe I am an original inventor or an original application and for which a patent is sought on the invention entitled:	inal joint inventor of a claimed invention in the
THERMOFORMED MULTILAYER REFLEC	TIVE POLARIZER
The specification of which:	
is attached hereto;	
was filed on September 25, 2015 as United States Application No.	14/865,543
is identified as PCT International Application No.	
The above-identified application was made or authorized to be made by n	ne.
I hereby acknowledge that any willful false statement made in this declara fine or imprisonment of not more than 5 years, or both.	ation is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTION COMPANY, and a corporation of Delaware, having its principal office assigns, the entire right, title, and interest in and to the said invention and continuation (in whole or in part) of said application, and in and to any and by me or made jointly with others (provided any such improvement is made termination of, my employment with 3M COMPANY and any of its existing all Letters Patent, reexaminations, reissues, or extensions thereof, of the lattereto (including the right to apply for Letters Patent, Utility Models, or Incominational conventions, treaties, or otherwise), which have been or may continuation (in whole or in part), renewal, reexamination, reissue, or other continuation (in whole or in part), renewal, reexamination, reissue, or other continuation (in whole or in part), renewal, reexamination, reissue, or other continuation (in whole or in part), renewal, reexamination, reissue, or other continuation (in whole or in part), renewal, reexamination, reissue, or other continuation (in whole or in part), renewal, reexamination, reissue, or other continuation (in whole or in part), renewal, reexamination, reissue, or other continuation (in whole or in part), renewal, reexamination, reissue, or other continuation (in whole or in part), renewal, reexamination, reissue, or other continuation (in whole or in part), renewal, reexamination, reissue, or other continuation (in whole or in part), renewal, reexamination, reissue, or other continuation (in whole or in part), renewal, reexamination, reissue, or other continuation (in whole or in part), renewal, reexamination, reissue, or other continuation (in whole or in part), renewal, reexamination, reissue, or other continuation (in whole or in part), renewal, reexamination, reissue, or other continuation (in whole or in part), renewal, reexamination, reissue, or other continuation (in whole or in part), renewal, reexamination, reissue, or other continuation (in whole or in part), renewal, reexami	at Saint Paul, Minnesota, its successors and application, and in and to any division or dall improvements in the said invention made the 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 under to be granted thereon or on any divisional, are or further application based in whole or in byed as fully and exclusively as they would are, to execute and deliver without further to perform such other acts as I lawfully may
and interest as aforesaid and to obtain or maintain Letters Patent, Utility N countries; and	flodels, or Inventors' Certificates in any and all
do hereby authorize and request the Commissioner of Patents to issue a granted upon any of the said applications, to said 3M Innovative Propertie itle, and interest therein.	iny and all Letters Patent which may be s Company, as the assignee of the entire right
Legal Name of Inventor:	
Gregg A. Ambur	
Inventor's Signature; Date:	16/15

PATENT REEL: 037177 FRAME: 0099

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

Transles & war

Case No:

76998US002

As a below named inventor, I believe I	am an original inventor or an	original joint inventor of a clai	med invention in the
application and for which a patent is so	ught on the invention entitled:	and a second	inoa misonidon ni tite

	THERMOFORMED MULTILAY	ER REFLECTIVE POLARIZER
The specification of w	The state of the s	
is attached here	to;	
was filed on as United States	September 25, 2015 Application No.	14/865,543
is identified as P	CT International Application No.	
The above-identified a	application was made or authorized to	be made by me.
hereby acknowledge ine or imprisonment o	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 assigns. The entire rigicontinuation (in whole by me or made jointly ermination of, my email Letters Patent, reesthereto (including the bown name and to claim ternational conventional continuation (in whole part upon the said investigation).	and transfer unto the 3/M (NNOVA) is a corporation of Delaware, having its interest in and to the said or in part) of said application, and in with others (provided any such impropioyment with 3M COMPANY and an examinations, reissues, or extensions right to apply for Letters Patent, Utility in any priority rights for such foreign a pas, treaties, or otherwise), which have or in part), renewal, reexamination, re-	which is acknowledged, I have agreed to assign and transfer VE PROPERTIES COMPANY, a wholly-owned subsidiary of principal office at Saint Paul, Minnesota, its successors and I invention and application, and in and to any division or and to any and all improvements in the said invention made overnent is made during, or within one year after the ey 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, eissue, or other or further application based in whole or in the held and enjoyed as fully and exclusively as they would in made;
hat may be deemed r	ner applications, assignments, and do recessary 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
do hereby authorize a ranted upon any of the file, and interest there	ie said applications, to said 3M Innov	ents to issue any and all Letters Patent which may be ative Properties Company, as the assignee of the entire right
Legal Name of Inven	tor:	
Timothy L. Wong)	
inventor's Signature:		Date:

PATENT REEL: 037177 FRAME: 0100

October 2, 2015

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

Case No:

76998US002

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:

THERMOFORMED MULTILAYER I	REFLECTIVE POLARIZER
The specification of which:	
is attached hereto;	
	14/865,543
is identified as PCT International Application No. filed on	

ation 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 therete (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:	
Andrew J. Ouderkirk	
Inventor's Signature:	Date:
	1100 cmber 10, 2015
Ton.	

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

Case No:

76998US002

As a below named inventor, I believe f 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 wi	sich a patent is sought on the inventi	on entitled:
The state of the s	HERMOFORMED MULTILA	ER REFLECTIVE POLARIZER
The specification of w	***************************************	
is attached heret	o ;	
was filed on as United States	September 25, 2015 Application No	14/865,543
	CT international Application No.	19/003,343
The above-identified a	application was made or authorized (o be made by me.
In addition, for good a 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 rown name and to claim international conventional	and valuable consideration, receipt of 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 improloyment with 3M COMPANY and attainations, reissues, or extensions ight to apply for Letters Patent, Utilification, treaties, or otherwise), which have	which is acknowledged, I have agreed to assign and transfer VE PROPERTIES COMPANY, a wholly-owned subsidiary of principal office at Saint Paul, Minnesota, its successors and invention and application, and in and to any division or and to any and all improvements in the said invention made overment is made during, or within one year after the made 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,
hair nhon the sain 1976	or in part), reflewal, reexamination, ention or improvements thereon, to be this assignment and transfer not be	reissue, or other or further application based in whole or in e held and enjoyed as fully and exclusively as they would in made;
that may be deemed n	er applications, assignments, and g ecessary 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
do hereby authorize a granted upon any of th itle, and interest therei	a sain abblicatious, to said 3M tubo/	tents to issue any and all Letters Patent which may be active Properties Company, as the assignee of the entire right
Legal Name of Invent	or;	
Zhisheng Yun		were the second
inventor's Signature:		Date:

PATENT REEL: 037177 FRAME: 0102

Oct 5, 2015

RECORDED: 12/01/2015

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