506107441 06/15/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6154163

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIEL J. SCHMIDT	02/21/2020
CALEB T. NELSON	02/21/2020
KEVIN W. GOTRIK	02/21/2020
RAYMOND J. KENNEY	02/21/2020
JOHN A. WHEATLEY	03/09/2020
KENNETH A. EPSTEIN	03/02/2020
GARY T. BOYD	02/21/2020
COREY D. BALTS	02/21/2020

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:	16772498

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: hhfroelke1@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: P.O. BOX 33427

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

ATTORNEY DOCKET NUMBER:	79636US007
NAME OF SUBMITTER:	HYLIS H. FROELKE
SIGNATURE:	/Hylis H. Froelke/

PATENT 506107441 REEL: 052942 FRAME: 0004

DATE SIGNED:	06/15/2020		
Total Attachments: 8			
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Case No:

79636US

	High Transmissio	n Light Control Film
The specification of which	ch:	
is attached hereto);	
was filed on as United States	Application No.	
⊠ is identified as PC filed on	T International Application No. December 13, 2018	PCT/US2018/065381
The above-identified app	plication was made or authorized to	be made by me.
I hereby acknowledge the	nat any willful false statement made not more than 5 years, or both.	in this declaration is punishable under 18 U.S.C. 1001 by
assigns, the entire right, continuation (in whole or by me or made jointly witermination of, my emploal! Letters Patent, reexarthereto (including the rigown name and to claim a international conventions continuation (in whole or part upon the said invent have been by me had this	orporation of Delaware, having its partitle, and interest in and to the said in part) of said application, and in the others (provided any such impropred by minations, reissues, or extensions that to apply for Letters Patent, Utility any priority rights for such foreign a set, treaties, or otherwise), which have in part), renewal, reexamination, retion or improvements thereon, to be its assignment and transfer not been	
consideration any furtner that may be deemed nec	r applications, assignments, and do essary by said Company, its succe	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, ratent, Utility Models, or Inventors' Certificates in any and all
I do hereby authorize and granted upon any of the s title, and interest therein.	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 righ
Legal Name of Invento	or;	7
Daniel J. Schmidt	t .	
Inventor's Signature:	Slinto	Date: 2/21/2020

Case No:

79636US

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:	nal joint inventor of a claimed invention in the
High Transmission Light Con	trol Film
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on December 13, 2018	PCT/US2018/065381
The above-identified application was made or authorized to be made by m	ne.
I hereby acknowledge that any willful false statement made in this declaration fine or imprisonment of not more than 5 years, or both.	ition is punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of which is acknown 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 latest (including the right to apply for Letters Patent, Utility Models, or Invown name and to claim any priority rights for such foreign applications to vinternational conventions, treaties, or otherwise), which have been or may continuation (in whole or in part), renewal, reexamination, reissue, or othe part upon the said invention or improvements thereon, to be held and enjohave been by me had this assignment and transfer not been made;	ES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or all improvements in the said invention made the during, or within one year after the proof or 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

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:		
Caleb T. Nelson		
Inventor's Signature:	Date:	
al 4 MD	02/21/2020	

Case No:

79636US

PATENT A	PPLICATION (37 CFR § 1.63)	Vosa (Va.	, 000000
As a below named in application and for wh	ventor, I believe I am an original inventor ich a patent is sought on the invention i	or or an original joint entitled:	inventor of a claimed invention in the
	High Transmission	Light Control File	m
The specification of w	hich		
is attached here	eto;		
was filed on			
	s Application No.		
is identified as:	PCT International Application No.	PCT/	US2018/065381
filed on	December 13, 2018		
The above-identified	application was made or authorized to t	e made by me.	
in addition, for good a and do hereby assign 3M COMPANY, and a assigns, the entire rig continuation (in whole by me or made jointly termination of, my en all Letters Patent, ree thereto (including the own name and to claimternational convent continuation (in whole part upon the said invitate been by me had	e that any willful false statement made in of not more than 5 years, or both. and valuable consideration, receipt of will and transfer unto the 3M INNOVATIVE a corporation of Delaware, having its pright, title, and interest in and to the said in 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 im any priority rights for such foreign applicans, treaties, or otherwise), which have a or in part), renewal, reexamination, religions assignment and transfer not been myself and for my heirs, executors, and	hich is acknowledged PROPERTIES COM incipal office at Saint invention and application and to any and all imprement is made during of its existing or futurereof, of the United S Models, or Inventors' plications to which subsen or may be granissue, or other or furtheld and enjoyed as the made;	I have agreed to assign and transfer IPANY, a wholly-owned subsidiary of Paul, Minnesota, its successors and ion, and in and to any division or ovements in the said invention made I, or within one year after the e subsidiaries), and in and to any and states of America and countries foreign Certificates in foreign countries in its ich applications are entitled under ited thereon or on any divisional, her application based in whole or in fully and exclusively as they would recute and deliver without further
consideration any fur that may be deemed and interest as afores countries; and	ther applications, assignments, and doc necessary by said Company, its successaid and to obtain or maintain Letters Pa	cuments, and to perfo ssors, assigns, and no atent, Utility Models, o	rm such other acts as I lawfully may, ominees, fully to secure its right, title, or Inventors' Certificates in any and all
I do hereby authorize granted upon any of title, and interest ther	and request the Commissioner of Pate the said applications, to said 3M Innova ein.	ints to issue any and i tive Properties Comp	all Letters Patent which may be any, as the assignee of the entire right
Legal Name of Inv	entor:		
Kevin W. Gotri	k		
Inventor's Signatur	E.	Date:	,
		2/21/	7020
		1	

Case No:

79636US

		High Transmission	Light Con	trol Film
The s	pecification of which	ch:		
	is attached hereto	o;		
	was filed on			
	as United States	Application No.		
\boxtimes	is identified as PC filed on	CT International Application No. December 13, 2018		PCT/US2018/065381
The a	bove-identified ap	plication was made or authorized to	be made by m	ne.
		hat any willful false statement made not more than 5 years, or both.	in this declara	tion is punishable under 18 U.S.C. 1001 by
and d 3M Contire assign contire by me termin all Le theret own r intern contire part u	o hereby assign an OMPANY, and a cons, the entire right, nuation (in whole operation of, my employers Patent, reexand to claim ational convention unation (in whole open the said invention the said invention the said invention.	nd transfer unto the 3M INNOVATIVerporation of Delaware, having its proporation of Delaware, having its proporation, and interest in and to the said or in part) of said application, and in a with others (provided any such improverse) oyment with 3M COMPANY and any aminations, reissues, or extensions the part to apply for Letters Patent, Utility any priority rights for such foreign appears, treaties, or otherwise), which have in part), renewal, reexamination, re	E PROPERTICIONICIPAL INCOME IN	wledged, I have agreed to assign and transfer ES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or all improvements in the said invention made the during, or within one year after the for 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 the granted thereon or on any divisional, or or further application based in whole or in byed as fully and exclusively as they would
consider that many and in the constant in the	deration any furthe nay be deemed ne	er applications, assignments, and do cessary by said Company, its succe	cuments, and ssors, assigns	rs, to execute and deliver without further to perform such other acts as I lawfully may, s, and nominees, fully to secure its right, title, flodels, or Inventors' Certificates in any and all
grante title, a	ed upon any of the and interest therein	said applications, to said 3M Innova n.		ny and all Letters Patent which may be s Company, as the assignee of the entire right
1 7	gal Name of Invent			
	ymond J. Ken entør's Signature:	illey	Date:	
	bur (hand	1	21/20

Case No:

79636US

	High Transmission	ı Liaht Cont	rol Film
The specification of w		, ridiir e eire	TOLY IIII
is attached here			
☐ was filed on			
	s Application No.		
is identified as lifted on	PCT International Application No. December 13, 2018		PCT/US2018/065381
The above-identified a	application was made or authorized to	be made by mo	е.
I hereby acknowledge fine or imprisonment	that any willful false statement made of not more than 5 years, or both.	in this declarati	ion is punishable under 18 U.S.C. 1001 bÿ
and do hereby assign 3M COMPANY, and a assigns, the entire rig continuation (in whole by me or made jointly termination of, my em all Letters Patent, ree thereto (including the own name and to clai international conventicontinuation (in whole part upon the said inv have been by me had	and transfer unto the 3M INNOVATIVE acorporation of Delaware, having its pitt, title, and interest in and to the said or in part) of said application, and in with others (provided any such improplyment with 3M COMPANY and any xaminations, reissues, or extensions tright to apply for Letters Patent, Utility many priority rights for such foreign a ons, treaties, or otherwise), which have or in part), renewal, reexamination, reention or improvements thereon, to be this assignment and transfer not been	PROPERTIE Inincipal office a invention and a and to any and vement is made y of its existing hereof, of the U Models, or Inventions to w e been or may lead to and enjoy n made;	or future subsidiaries), and in and to any and inited States of America and countries foreign entors! Certificates in foreign countries in its thich such applications are entitled under be granted thereon or on any divisional, or further application based in whole or inved as fully and exclusively as they would
consideration any furt that may be deemed i	her applications, assignments, and do necessary by said Company, its succe	cuments, and t essors, assigns,	s, to execute and deliver without further o perform such other acts as I lawfully may, and nominees, fully to secure its right, title, odels, or Inventors' Certificates in any and all
I do hereby authorize granted upon any of t title, and interest there	he said applications, to said 3M Innov	ents to issue ar ative Properties	ny and all Letters Patent which may be Company, as the assignee of the entire righ
Legal Name of Inve	entor;		
John A. Wheat	ley		
Inventor's Signatur	e;	Date:	
Jul 1	1. M	3-)	9-2020

Case No:

79636US

As a below named inventor, I believe I am an original invent application and for which a patent is sought on the invention	
High Transmission	Light Control Film
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on December 13, 2018	PCT/US2018/065381
The above-identified application was made or authorized to be	e made by me.
I hereby acknowledge that any willful false statement made in fine or imprisonment of not more than 5 years, or both.	this declaration is punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of whand do hereby assign and transfer unto the 3M INNOVATIVE 3M COMPANY, and a corporation of Delaware, having its pri assigns, the entire right, title, and interest in and to the said in continuation (in whole or in part) of said application, and in an by me or made jointly with others (provided any such improve termination of, my employment with 3M COMPANY and any all Letters Patent, reexaminations, reissues, or extensions the thereto (including the right to apply for Letters Patent, Utility I own name and to claim any priority rights for such foreign ap international conventions, treaties, or otherwise), which have continuation (in whole or in part), renewal, reexamination, rei part upon the said invention or improvements thereon, to be have been by me had this assignment and transfer not been	PROPERTIES COMPANY, a wholly-owned subsidiary of ncipal office at Saint Paul, Minnesota, its successors and evention and application, and in and to any division or and to any and all improvements in the said invention made ement is made during, or within one year after the of its existing or future subsidiaries), and in and to any and ereof, of the United States of America and countries foreign Models, or Inventors' Certificates in foreign countries in its plications to which such applications are entitled under been or may be granted thereon or on any divisional, ssue, or other or further application based in whole or in held and enjoyed as fully and exclusively as they would
I do further agree for myself and for my heirs, executors, and consideration any further applications, assignments, and docthat may be deemed necessary by said Company, its successand interest as aforesaid and to obtain or maintain Letters Pacountries; and	uments, and to perform such other acts as I lawfully may, sors, assigns, and nominees, fully to secure its right, title,
I do hereby authorize and request the Commissioner of Pate granted upon any of the said applications, to said 3M Innovatitle, and interest therein.	nts to issue any and all Letters Patent which may be tive Properties Company, as the assignee of the entire right
Legal Name of Inventor:	
Kenneth A. Epstein	·
Inventor's Signature:	Date:
Memild a Grade	2/2/2020

Case No:

79636US

As a below named invento	r, I believe I am a	n original invento	or or an	original	joint inventor	of a claim	ed invention	in the
application and for which a	patent is sought of	on the invention a	entitled:					

High Transmission Light Con	trol Film
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on December 13, 2018	PCT/US2018/065381

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:	
Gary T. Boyd	
Inventor's Signature:	Date:
	2-2(-2020

Case No:

79636US

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:

	High Transmission Light Con	trol Film
The s	specification of which:	
	is attached hereto;	
	was filed on as United States Application No.	
Ø	is identified as PCT International Application No. filed on December 13, 2018	PCT/US2018/065381

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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:	
Corey D. Balts	
Inventor's Signature:	Date:
	2/2/12020
state of the state	