#### 503328006 05/29/2015

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3374624

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ADAM D. HAAG	04/02/2015
GHIDEWON AREFE	04/05/2015
KENNETH A. EPSTEIN	04/02/2015
NATHANIEL K. NAISMITH	04/30/2015
SEONG TAEK LEE	04/13/2015
SERGEY LAMANSKY	04/01/2015
WILLIAM A. TOLBERT	04/14/2015

#### **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
PCT Number:	US2013071282

## **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

3M INNOVATIVE PROPERTIES COMPANY **Correspondent Name:** 

Address Line 1: P.O. BOX 33427

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

ATTORNEY DOCKET NUMBER:	71031US005
NAME OF SUBMITTER:	HYLIS H. FROELKE
SIGNATURE:	/Hylis H. Froelke/
DATE SIGNED:	05/29/2015

**PATENT REEL: 035745 FRAME: 0615** 

503328006

This document serves as an Oath/Declaration (37 CFR 1.63).

#### **Total Attachments: 7**

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**PATENT REEL: 035745 FRAME: 0616** 

Case No:

71031US005

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:

	Emissive Display with Hybrid Polarizer		
	specification of which: is attached hereto;		
	was filed on as United States Application No.		
$\boxtimes$	is identified as PCT International Application No. filed on November 21, 2013	PCT/US2013/071282	

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:	
Adam D. Haag	
Inventor's Signature:	Date:
	4/2/2015

PATENT REEL: 035745 FRAME: 0617

Case No:

71031US008

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:

Emissive Display w	vith Hybrid Pol	larizor	
The specification of which:			
🔯 is attached hereto;			
☐ was filed on			
is identified as PCT International Application No. filed on November 21, 2013		PCT/US2013/071282	

The above-identified application was made or authorized to be made by me.

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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

Legal Name of Inventor	and the second
Ghidewon Arefe	
inventor's Signature	Date: 5- APRIL- 2015

Case No:

71031US005

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:

Emissive Display with Hybrid Polarizer		
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 21, 2013	PCT/US2013/071282	

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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

Legal Name of Inventor: Kenneth A. Epstein	
Inventor's Signature:	Date: 4/2/2015

Case No:

71031US005

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:

	Emissive Display with Hybrid Polarizer		
The	specification of which:		
$\boxtimes$	is attached hereto;		
	was filed on as United States Application No.		
$\boxtimes$	is identified as PCT International Application No. filed on November 21, 2013	PCT/US2013/071282	

The above-identified application was made or authorized to be made by me.

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Legal Name of Inventor: Nathaniel K. Naismith	
Inventor's Signature:	Date:
	4/30/2015

Case No:

71031US005

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:

		Emissive Display with Hyb	rid Polarizer
îhe	specification of wh	ich:	
$\boxtimes$	is attached hereto	C	
	was filed on as United States A	Application No.	
$\boxtimes$	is identified as PC filed on	T International Application No. November 21, 2013	PCT/US2013/071282

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Legal Name of Inventor: Seong Taek Lee	
Inventor's Signature:	Date:
Acong Carle L-	4/13/2015

Case No:

71031US005

As a below named inventor, I b	elieve I am an original	inventor or an o	original joint inver	ntor of a claimed in	nvention in the
application and for which a pate	int is sought on the invi	ention entitled:			

	Emissive Display with Hybrid	Polarizer
The	specification of which:	
$\boxtimes$	is attached hereto;	
	was filed on as United States Application No.	
$\boxtimes$	is identified as PCT International Application No. filed on November 21, 2013	PCT/US2013/071282

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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 essignee of the entire right, title, and interest therein.

Legal Name of <b>Inventor</b> :	
Sergey Lamansky	
Inventor's Signature:	Date:
	4/1/2015

PATENT

REEL: 035745 FRAME: 0622

Case No:

71031US005

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			atent is soug									

	Emissive Display with Hybrid I	Polarizer	ĺ
The	specification of which:		
$\boxtimes$	is attached hereto;		
	was filed on as United States Application No.		
8	is identified as PCT International Application No. filed on November 21, 2013	PCT/US2013/071282	

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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:	
William A. Tolbert	
Inventor's Signature:	Date: - 4/14/15

PATENT REEL: 035745 FRAME: 0623

RECORDED: 05/29/2015