# 503327715 05/29/2015

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3374333

OBINISSION TIPE.		NEW ASSIGNMENT		
TURE OF CONVEYA	NCE:	ASSIGNMENT		
ONVEYING PARTY D	ΑΤΑ			
		Name	Execution Date	
NATURE OF CONVEYANCE: ASSIGNMENT   CONVEYING PARTY DATA Name   CHUANG-WEI CHIU DUGLAS B. GUNDEL   HAOHAO LIN MARK T. PALMER   EUMI PYUN RECEIVING PARTY DATA   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   Property Type Number   Application Number: 14648461   CORRESPONDENCE DATA Fax Number:   Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent very Phone: 651-733-1500   Email: mekosloski@mmm.com   Correspondent Name: 3M INNOVATIVE PROPERTIES COMPAN			04/27/2015	
OUGLAS B. GUNDEL			04/24/2015	
IAOHAO LIN			05/18/2015	
ARK T. PALMER			05/14/2015	
UMI PYUN			05/13/2015	
		OVATIVE PROPERTIES COMPANY		
Street Address:	P.O. BC	DX 33427		
Dity:	SAINT	PAUL		
State/Country:	MINNE	SOTA		
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		3427		
	S Total: 1			
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PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE I Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: TTORNEY DOCKET N AME OF SUBMITTER:	S Total: 1	Number   14648461   the e-mail address first; if that is unsuccess   that is unsuccessful, it will be sent via US   651-733-1500   mekosloski@mmm.com   3M INNOVATIVE PROPERTIES COMPANY   PO BOX 33427   ST. PAUL, MINNESOTA 55133-3427   71199US004   MYCKI E. KOSLOSKI		

**Total Attachments: 5** 

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Case No:

71199US004

is a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the pplication and for which a patent is sought on the invention entitled:

## FLAME RETARDANT TWIN AXIAL CABLE

he specification of which:

is attached hereto;

as United States Application No.

is identified as PCT International Application No. filed on February 20, 2013 PCT/US2013/026783

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

hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by ne or imprisonment of not more than 5 years, or both.

n addition, for good and valuable consideration, receipt of which is acknowledged, I have agreed to assign and transfer nd do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and ssigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or ontinuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made y me or made jointly with others (provided any such improvement is made during, or within one year after the armination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and II Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign nereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its wn name and to claim any priority rights for such foreign applications to which such applications are entitled under iternational conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, ontinuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in art upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would ave been by me had this assignment and transfer not been made;

do further agree for myself and for my heirs, executors, and administrators, to execute and deliver without further onsideration any further applications, assignments, and documents, and to perform such other acts as I lawfully may, nat may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, nd interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all ountries; and

do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be ranted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire righ tle, and interest therein.

Legal	Name	Э	of	In	V	entor:

Chuang-Wei Chiu

Inventor's Signature:

5. W. C.

Date:

04-27-2015

Case No:

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:

# FLAME RETARDANT TWIN AXIAL CABLE

The specification of which:

🛛 is attached hereto;

as United States Application No.

PCT/US2013/026783

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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:	
Douglas B. Gundel	
Inventor's Signature:	Date: Opnil 24, 2015

Case No:

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:

	FLAME RETARDANT TWIN AXIA	NL CABLE
The	specification of which:	
$\boxtimes$	is attached hereto;	
	was filed onas United States Application No.	
$\boxtimes$	is identified as PCT International Application No. filed on February 20, 2013	PCT/US2013/026783

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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: Haohao Lin	
Inventor's Signature:	Date:
$\gamma \gamma \gamma \sim \gamma \gamma \gamma$	05/18/2015
	ан <u></u>

Case No:

71199US004

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:

		FLAME RETARDA	NT TWIN AXIA	IL CABLE
The	specification of wh	ich:		
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	was filed on as United States /	Application No.	*	
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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:		
Mark T. Palmer		
Inventor's Signature:	Date:	
Natheline	5//10///	

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

Case No:

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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PCT/US2013/026783

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Legal Name of Inventor: Eumi Pyun			***************************************	
Inventor's Signature:	An	Date:	5/13/2015	

PATENT REEL: 035744 FRAME: 0320

**RECORDED: 05/29/2015**