PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Thomas J. Gilbert	11/06/2012
Leigh E. Wood	10/31/2012
Volker Hauschildt	11/08/2012
Andreas Urban	11/16/2012
Mark A. Peltier	10/30/2012
William C. Unruh	10/30/2012
Kristopher K. Biegler	11/27/2012

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:	29429801

CORRESPONDENCE DATA

502142743

Fax Number: 6517363833

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 651-733-1500

Email: jmcourtney@mmm.com

Correspondent Name: 3M Innovative Properties Company

Address Line 1: P.O. Box 33427

St. Paul, MINNESOTA 55133-3427 Address Line 4:

ATTORNEY DOCKET NUMBER: 70150US003

PATENT REEL: 029366 FRAME: 0272

NAME OF SUBMITTER:	Joyce M. Courtney	
Total Attachments: 8		
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PATENT REEL: 029366 FRAME: 0273

Case No.: 70150US003

ASSIGNMENT OF APPLICATION

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated

below, have made an invention in		
MECHANICAL CLOSURE ELEMENT		
☐ for which an application for a United States Patent is being filed ☐ for which an application for a United States Patent identified as 29/429801, was filed on August 16, 2012;	· · · · · · · · · · · · · · · · · · ·	
which application is identified as PCT International Patent Application	cation No. ; filed ;	

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we 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/us had this assignment and transfer not been made;

I/We do further agree for myself/ourselves and for my/our 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/we 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

Assignment

Page 1 of 4 3M Innovative Properties Company, P. O. Box 33427, St. Paul, MN 55133-3427

I/We 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.

In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle [if any]): Thomas J.	Family Name or Surname: Gilbert	
Inventor's Signature; 🗼	Date:	
Jourselle	Country: Citizenship:	
Residence:	Country:	Citizenship:
St. Paul, Minnesota	USA	United States of America
Witnesse 4 M. Coutney	Mithese With	
Given Name (first and middle [if any]):	Family Name or Surna	2776
Leigh E.	Wood	
Inventor's Signature:	Oate:	
Light won	/ » / 3 ///2_ Country:	
Residence:		
Woodbury, Minnesota	USA	United States of America
<u> </u>	Withess V	Cowbrey
Given Name (first and middle [if any]):	Family Name or Suma	ime:
Volker	Hauschildt	
Inventor's Signature:	Date:	
Residence:	Country:	Citizenship:
Hilden	Germany	Germany
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Witness	Witness	

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Page 2 of 4
3M Innovative Properties Company, P. O. Box 33427, St. Paul, MN 55133-3427

Your Name of the Control of the Cont	and the second second	and the second s
Given Name (first and middle [if any]):	Family Name or Surname:	
Andreas	Urban	
Inventor's Signature:	Date:	
Residence:	Country:	Citizenship:
Koeln	Germany	Germany
Witness	Witness	
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A	***************************************	
Given Name (first and middle [if any]):	Family Name or Surna	ime:
Mark A.	Peltier	on 2 Cape.
Inventor's Signature: /	Date:	
inventors digitative.		
	Country:	×>
Residence:	Country:	Circum
Forest Lake, Minnesota	Country:	Utizensnip:
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Chan Bonn (Fort and middle 55 and)	Frank Mars	muraining.
Given Name (first and middle [if any]): William C.	Family Name or Surna Unruh	inte.
Inventor's Signature:	Date:	
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Live C. Dal	10/3	0/1/2
Residence:	Country:	Citizenship:
Inver Grove Heights, Minnesota	USA	United States of America
	April 1990	
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Assignment 3M 1466571v1 Page 3 of 4 3M Innovative Properties Company, P. O. Box 33427, St. Paul, MN 55133-3427

Given Name (first and middle [if any]): Kristopher K.	Family Name or Surname: Biegler	
Inventor's Signature:	Date:	
Me Ego	1/-27-2012	
Residence: Minneapolis, Minnesota	Country: USA	Citizenship: United States of America
Witness W. Outrey	_//_/k_ Witness	Kalahi

Case No.: 70150US003

ASSIGNMENT OF APPLICATION

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an invention in

	MECHANICAL CLOSURE ELEMENT	-
	for which an application for a United States Patent is being filed contemporaneously herewith;	•
\boxtimes	for which an application for a United States Patent Identified as U.S. Patent Application No. 29/429801, was filed on August 16, 2012;	
	which application is identified as PCT International Patent Application No.; filed;	

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we 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/us had this assignment and transfer not been made:

I/We do further agree for myself/ourselves and for my/our 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/we 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

Assignment

3M 1466571v1

Page 1 of 4 Case No.: 70150US003 3M innovative Properties Company, P. C. Box 33427, St. Paul, MN 55133-3427 I/We 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.

In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle [if any]): Thomas J.	Family Name or Surname: Gilbert	
Inventor's Signature:	Date:	
Residence: St. Paul, Minnesota	Country: Citizenship: USA United States of America	
Witness	Witness	
Given Name (first and middle [if any]): Leigh E.	Family Name or Sumame: Wood	
Inventor's Signature	Date:	
Residence: Woodbury, Minnesota	Country: Citizenship: USA United States of America	
Witness	Witness	
Given Name (first and middle (if any]): Volker	Family Name or Sumame: Hauschildt	
Inventor's Signature:	Date: 0 り、ハコ、 2 0 1 と	
Residence: Hilden	Country: Citizenship: Germany Germany	
Witness	Witness (

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Page 2 of 4
3M Innovative Properties Company, P. O. Box 33427, St. Paul, MN 55133-3427

3M 1466571v1

Given Name (first and middle [if any]):	Family Name or Surname:	
Andreas	Urban	
Inventor's,Signature: // /	Date:	
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1500 104-		
Residence:	Country:	Citizenship:
Koeln	Germany	Germany
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Given Name (first and middle [if any]):	Family Name or S	Surname:
Mark A.	Peltier	
Inventor's Signature:	Date:	
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Residence:	Country:	Citizenship:
Forest Lake, Minnesota	USA	United States of America
Witness	Witness	······································
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	***************************************	······································
Given Name (first and middle (if any)):	Family Name or \$	Surname:
William C.	Unruh	
Inventor's Signature:	Date:	

Carles de la carle	Country:	Citizenship:
Residence:	USA	United States of America
Inver Grove Heights, Minnesota	LOW	United States of Millerica
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Assignment 3M 1466571v1 Page 3 of 4
3M Innovative Properties Company, P. O. Box 33427, St. Paul, MN 55133-3427

PATENT REEL: 029366 FRAME: 0280

Given Name (first and middle [if any]): Kristopher K.	Family Name or Surname: Biegler Date:	
Inventor's Signature.		
Residence: Minneapolis, Minnesota	Country: USA	Citizenship: United States of America
Witness	Witness	3

Assignment

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3M Innovative Properties Company, P. O. Box 33427, St. Paul, MN 55133-3427

3M 1466571v1

RECORDED: 11/28/2012

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