## PATENT ASSIGNMENT

## Electronic Version v1.1

Stylesheet Version v1.1

	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:	ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY DATA				
	Name	Execution Date		
Nicholas G. Rivard		12/05/2012		
RECEIVING PARTY DATA				
Name: 3M Innovative F	3M Innovative Properties Company			
Street Address: P.O. Box 33427	P.O. Box 33427			
City: ST. PAUL	ST. PAUL			
State/Country: MINNESOTA	MINNESOTA			
Postal Code: 55133-3427	5133-3427			
PROPERTY NUMBERS Total: 1				
Property Type	Number			
Application Number: 13718201			8201	
Application Number: 13718201   CORRESPONDENCE DATA CORRESPONDENCE DATA				
CORRESPONDENCE DATA			137	
CORRESPONDENCE DATA Fax Number: 651736383	33			
Fax Number:651736383Correspondence will be sent via US Ma	ail when the fax attempt is unsuccessful.			
Fax Number:651736383Correspondence will be sent via US MaPhone:651-733-13	<i>ail when the fax attempt is unsuccessful.</i> 500			
Fax Number:651736383Correspondence will be sent via US MaPhone:651-733-13Email:LegalUSD	<i>ail when the fax attempt is unsuccessful.</i> 500 ocketing@mmm.com		\$40.00	
Fax Number:651736383Correspondence will be sent via US MaPhone:651-733-13Email:LegalUSDaCorrespondent Name:3M INNOV	<i>ail when the fax attempt is unsuccessful.</i> 500 ocketing@mmm.com /ATIVE PROPERTIES COMPANY		\$40.00	
Fax Number:651736383Correspondence will be sent via US MaPhone:651-733-13Email:LegalUSDaCorrespondent Name:3M INNOVAddress Line 1:PO BOX 3	<i>ail when the fax attempt is unsuccessful.</i> 500 ocketing@mmm.com /ATIVE PROPERTIES COMPANY		\$40.00	
Fax Number:651736383Correspondence will be sent via US MaPhone:651-733-13Email:LegalUSDaCorrespondent Name:3M INNOVAddress Line 1:PO BOX 3	<i>ail when the fax attempt is unsuccessful.</i> 500 ocketing@mmm.com /ATIVE PROPERTIES COMPANY 3427		\$40.00	
Fax Number:651736383Correspondence will be sent via US MaPhone:651-733-13Email:LegalUSDCorrespondent Name:3M INNOVAddress Line 1:PO BOX 3Address Line 4:ST. PAUL,	ail when the fax attempt is unsuccessful. 500 ocketing@mmm.com /ATIVE PROPERTIES COMPANY 3427 MINNESOTA 55133-3427		\$40.00	
Fax Number:651736383Correspondence will be sent via US MaPhone:651-733-13Email:LegalUSDaCorrespondent Name:3M INNOVAddress Line 1:PO BOX 3Address Line 4:ST. PAUL,ATTORNEY DOCKET NUMBER:	ail when the fax attempt is unsuccessful. 500 ocketing@mmm.com /ATIVE PROPERTIES COMPANY 3427 . MINNESOTA 55133-3427 68270US005	2laration (37 CFR 1.63).		

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)	Case No:	68270US005
As a below named inventor, I believe I am an origin application and for which a patent is sought on the in	al inventor or an original nvention entitled: FOR COLD SHRIN	
The specification of which:		
is attached hereto;		
was filed on as United States Application No.	i	

is identified as PCT International Application No. filed on

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.

In witness whereof, I have signed my name on the day and year set forth below.

Legal Name of Inventor: Nicholas G. Rivard	~
Inventor's Signature:	Date:
NA6-	12/05/12

3M 1484613v1

PATENT REEL: 029490 FRAME: 0478

**RECORDED: 12/18/2012**