# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2820609

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
PATRICK D. HYDE	04/14/2014
JEFFREY M. IMSANDE	04/18/2014
JAYSHREE SETH	04/14/2014
CRAIG E. HAMER	04/15/2014
REBECCA A. SHIPMAN	04/14/2014
ROBERT B. SECOR	04/14/2014
MICHAEL C. MARTIN	04/15/2014
PENTTI K. LOUKUSA	04/14/2014

### **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:	14352874

### **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 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

NAME OF SUBMITTER:	HYLIS H. FROELKE
SIGNATURE:	/Hylis H. Froelke/
DATE SIGNED:	04/18/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

502774014 REEL: 032709 FRAME: 0357

# Total Attachments: 8 source=Declaration-Assignment\_68031US005#page1.tif source=Declaration-Assignment\_68031US005#page2.tif source=Declaration-Assignment\_68031US005#page3.tif source=Declaration-Assignment\_68031US005#page4.tif source=Declaration-Assignment\_68031US005#page5.tif source=Declaration-Assignment\_68031US005#page6.tif source=Declaration-Assignment\_68031US005#page7.tif

source=Declaration-Assignment\_68031US005#page8.tif

Case No:

68031US005

As a below named	inventor, I believe I	am an original	inventor or an	original joint	inventor of a	claimed in	vention in th	e
application and for	which a patent is so	ught on the inv	ention entitled:					

application and for which a patent is sought on the inventio	n entitled:
ARTICLES WITH THIN MELT COATING	S AND METHODS FOR MAKING SAME
The specification of which:	
is attached hereto;	
was filed on	
as United States Application No.	
is identified as PCT International Application No. filed on 19 OCTOBER 2012	PCT/US2012/060952
The above-identified application was made or authorized to	be made by me.
I hereby acknowledge that any willful false statement made fine or imprisonment of not more than 5 years, or both.	e in this declaration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unto the 3M INNOVATIV 3M COMPANY, and a corporation of Delaware, having its passigns, the entire right, title, and interest in and to the said continuation (in whole or in part) of said application, and in by me or made jointly with others (provided any such improtermination of, my employment with 3M COMPANY and an all Letters Patent, reexaminations, reissues, or extensions	and to any and all improvements in the said invention made overment is made during, or within one year after the by of its existing or future subsidiaries), and in and to any and thereof, of the United States of America and countries foreign y Models, or Inventors' Certificates in foreign countries in its applications to which such applications are entitled under we been or may be granted thereon or on any divisional, reissue, or other or further application based in whole or in e held and enjoyed as fully and exclusively as they would
that may be deemed necessary by said Company, its succi	nd administrators, to execute and deliver without further ocuments, and to perform such other acts as I lawfully may, essors, assigns, and nominees, fully to secure its right, title, Patent, Utility Models, or Inventors' Certificates in any and all
I do hereby authorize and request the Commissioner of Pal granted upon any of the said applications, to said 3M Innov title, and interest therein.	tents to issue any and all Letters Patent which may be ative Properties Company, as the assignee of the entire right
Legal Name of Inventor: Patrick D. HYDE	
Inventor's Signature:	Date:
Patrick D. Hyde	4-14-2014

Case No:

68031US005

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:

	hich a patent is sought on the invent	
		GS AND METHODS FOR MAKING SAME
The specification of v	vhich:	
is attached here	to;	
was filed on		
as United States	s Application No.	
is identified as F	PCT International Application No.	PCT/US2012/0609 <b>52</b>
filed on	19 OCTOBER 2012	
	application was made or authorized	to be made by me. de in this declaration is punishable under 18 U.S.C. 1001 by
	of not more than 5 years, or both.	the in this declaration is pullionable and on the october span by
3M COMPANY, and assigns, the entire ric continuation (in whole by me or made jointly termination of, my enall Letters Patent, recthereto (including the own name and to clain ternational convent continuation (in whole part upon the said in have been by me har	a corporation of Delaware, having its ght, title, and interest in and to the sale or in part) of said application, and with others (provided any such important with 3M COMPANY and assaminations, reissues, or extension right to apply for Letters Patent, Uti im any priority rights for such foreign ions, treaties, or otherwise), which has or in part), renewal, reexamination vention or improvements thereon, to d this assignment and transfer not be	
consideration any fur that may be deemed	ther applications, assignments, and necessary by said Company, its sur	and administrators, to execute and deliver without further documents, and to perform such other acts as I lawfully may, coessors, assigns, and nominees, fully to secure its right, title, is Patent, Utility Models, or Inventors' Certificates in any and all
do hereby authorize granted upon any of litle, and interest ther	the said applications, to said 3M Inn	Patents to issue any and all Letters Patent which may be ovative Properties Company, as the assignee of the entire right
Legal Name of Inve Jeffrey M. IMSA		
Inventor's Signature		Date:
()		4/18/14

Case No:

68031US005

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:

ARTICI ES	WITH THIN MELT COATING	S AND METHODS FOR MAKING SAME
The specification of wh		WIND BEET LINES I WIN BUILDING WINDS
is attached hereto		
	**:	
was filed on		
as United States	Application No.	
⊠ is identified as PC	CT International Application No.	PCT/US2012/060952
filed on	19 OCTOBER 2012	
The above-identified a	pplication was made or authorized to	be made by me.
	that any willful false statement made f not more than 5 years, or both.	in this declaration is punishable under 18 U.S.C. 1001 by
3M COMPANY, and a assigns, the entire righ continuation (in whole by me or made jointly termination of, my empall Letters Patent, reex thereto (including the rown name and to claim international conventio continuation (in whole part upon the said invehave been by me had	corporation of Delaware, having its part, title, and interest in and to the said or in part) of said application, and in with others (provided any such improbloyment with 3M COMPANY and an aminations, reissues, or extensions light to apply for Letters Patent, Utility any priority rights for such foreign ans, treaties, or otherwise), which have or in part), renewal, reexamination, rention or improvements thereon, to be this assignment and transfer not bee	
consideration any furth that may be deemed n	er applications, assignments, and de ecessary by said Company, its succ	nd administrators, to execute and deliver without further ocuments, and to perform such other acts as I lawfully may, essors, assigns, and nominees, fully to secure its right, title, Patent, Utility Models, or Inventors' Certificates in any and all
	e said applications, to said 3M Innov	tents to issue any and all Letters Patent which may be rative Properties Company, as the assignee of the entire right
Legal Name of Invent Jayshree SETH	or:	
Inventor's Signature:		Date:
Tayohre	i sat	April 14 th 2014

Case No:

68031US005

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:

	ARTICLES WITH THIN MELT COATINGS	AND METHODS FOR MAKING SAME
The	specification of which:	
	is attached hereto;	
	was filed on as United States Application No.	
Ø	is identified as PCT International Application No.  19 OCTOBER 2012	PCT/US2012/060952
The	filed on 19 OCTOBER 2012 above-identified application was made or authorized to b	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: Craig E. HAMER	
Inventor's Signature:	April 15, 2014

**PATENT** 

**REEL: 032709 FRAME: 0362** 

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

Case No:

68031US005

	rentor, I believe I am an original invi ich a patent is sought on the invent		nal joint inventor of a	claimed invention in the
	WITH THIN MELT COATIN	GS AND MET	HODS FOR MAK	ING SAME
The specification of wi	high:			
is attached hereto	o;			
was filed on				
as United States	Application No.			
is identified as P(	CT International Application No.		PCT/U\$2012/0609	52
filed on	19 OCTOBER 2012			
The above-identified a	pplication was made or authorized	to be made by m	ie.	
fine or imprisonment of addition, for good at and do hereby assign 3M COMPANY, and a assigns, the entire right continuation (in whole by me or made jointly) termination of, my empall Letters Patent, reexistereto (including the rown name and to claim nternational conventional continuation (in whole part upon the said investignment of the said investigation of the said investigatio	that any willful false statement many first more than 5 years, or both, and valuable consideration, receipt conditions and transfer unto the 3M INNOVAT corporation of Delaware, having its state, and interest in and to the sate or in part) of said application, and in with others (provided any such impoloyment with 3M COMPANY and a staminations, reissues, or extensionally fight to apply for Letters Patent, Util in any priority rights for such foreign ons, treaties, or otherwise), which have in part), renewal, reexamination, ention or improvements thereon, to this assignment and transfer not be	of which is acknown IVE PROPERTIES or principal office and in and to any and rovement is madiany of its existing at thereof, of the lifty Models, or Invalue applications to wave been or may reissue, or other be held and enjo	wledged, I have agreed to COMPANY, a wheat Saint Paul, Minnest application, and in areal improvements in a court or future subsidiaries and the court of the cour	ed to assign and transfer oily-owned subsidiary of ota, its successors and not to any division or the said invention made e year after the s), and in and to any and rica and countries foreign foreign countries in its are entitled under or on any divisional, in based in whole or in
consideration any furth that may be deemed n	nyself and for my heirs, executors, ner applications, assignments, and secessary by said Company, its sucaid and to obtain or maintain Lettern	documents, and to cessors, assigns	to perform such othe , and nominees, fully	r acts as I lawfully may, to secure its right, title,
do hereby authorize a granted upon any of th litte, and interest there	and request the Commissioner of P ne said applications, to said 3M Inno In.	atents to issue a ovative Propertie	ny and all Letters Pal s Company, as the a	tent which may be ssignee of the entire right,
Legal Name of Invent Rebecca A. SHIF				
Inventor's Signature:	A Shiran	Date: 4/14	17014	

PATENT

**REEL: 032709 FRAME: 0363** 

Case No:

68031US005

As a below named inventor. I believe tam an oridinal inventor or an original icint inventor of a claimed invention in the

	ARTICLES	WITH THIN MELT COATINGS A	VD MET	HODS FOR MAKING SAME
The	specification of wi	nich:		
	is attached hereto	o;		
	was filed on as United States	Application No.		
$\boxtimes$	is identified as Po	CT International Application No. 19 OCTOBER 2012		PCT/US2012/060952
The	above-identified a	pplication was made or authorized to be r	nade by m	e.
her fine	eby acknowledge or imprisonment o	that any willful false statement made in the foot more than 5 years, or both.	is declara	tion is punishable under 18 U.S.C. 1001 by
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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: Robert B. SECOR	
Inventor's Signature:	Date: 4/14/2014

Case No:

68031US005

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:

appi	ication and for which a patent is sought on the inventi-		
<u></u>	ARTICLES WITH THIN MELT COATING	S AND MET	HODS FOR MAKING SAME
The	specification of which:		
	is attached hereto;		
	was filed on		
15	as United States Application No.		
****			
X	is identified as PCT International Application No. filed on 19 OCTOBER 2012		PCT/US2012/060952
	filed on 19 OCTOBER 2012		
The	above-identified application was made or authorized t	o be made by r	ne.
	reby acknowledge that any willful false statement mad or imprisonment of not more than 5 years, or both.	e in this declara	ation is punishable under 18 U.S.C. 1001 by
and assi cont by n term all L there own inter cont part	ddition, for good and valuable consideration, receipt of do hereby assign and transfer unto the 3M INNOVAT COMPANY, and a corporation of Delaware, having its gns, the entire right, title, and interest in and to the sai tinuation (in whole or in part) of said application, and ir ne or made jointly with others (provided any such imprination of, my employment with 3M COMPANY and a etters Patent, reexaminations, reissues, or extensions eto (including the right to apply for Letters Patent, Utili name and to claim any priority rights for such foreign mational conventions, treaties, or otherwise), which had tinuation (in whole or in part), renewal, reexamination, upon the said invention or improvements thereon, to be a been by me had this assignment and transfer not be	IVE PROPERT principal office of invention and any and overment is mainly of its existing thereof, of the ty Models, or in applications to ave been or mainly ended and enjoyed.	IES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or d all improvements in the said invention made de during, or within one year after the g 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 y be granted thereon or on any divisional, er or further application based in whole or in
consthat and	further agree for myself and for my heirs, executors, a sideration any further applications, assignments, and o may be deemed necessary by said Company, its suc- interest as aforesaid and to obtain or maintain Letters ntries; and	focuments, and cessors, assign	to perform such other acts as I lawfully may, s, and nominees, fully to secure its right, title,
grar	hereby authorize and request the Commissioner of Pa ited upon any of the said applications, to said 3M Inno and interest therein.		
	gal Name of Inventor: ichael C. MARTIN	••••••	
Inv	rentor's Signature:	Date:	
0	Midul C. Mato	4/15/	114

Case No:

68031US005

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:

appi	ication and for whi	ch a patent is sought on the invention	on entitled:	
	ARTICLES	WITH THIN MELT COATING	S AND ME	THODS FOR MAKING SAME
The	specification of wh	rich:		
	is attached hereto			
	was filed on			
	as United States	Application No.		
	ie identified se DC	CT International Application No.		PCT/US2012/060952
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The	above-identified a	pplication was made or authorized to	be made by	me.
		that any willful false statement made f not more than 5 years, or both.	e in this declar	ation is punishable under 18 U.S.C. 1001 by
and 3M ( assi cont by n term all L there own inter cont part	do hereby assign a COMPANY, and a gns, the entire right inuation (in whole the or made jointly value of made in the reast of the claim national conventionation (in whole upon the said investing the reast of the claim national conventionation (in whole upon the said investing the convention of t	and transfer unto the 3M INNOVATI corporation of Delaware, having its t, title, and interest in and to the said or in part) of said application, and in with others (provided any such improvious and any such improvious and any such improvious and any such in any priority rights for such foreign and priority rights for such foreign and priority rights for such foreign and part), renewal, reexamination, or in part), renewal, reexamination, and transport in part), renewal, reexamination, and transport in part).	VE PROPERT principal office of invention and and to any and overent is many of its existin thereof, of the y Models, or Ir applications to we been or mare issue, or other held and en	owledged, I have agreed to assign and transfer TES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or dall improvements in the said invention made de during, or within one year after the g or future subsidiaries), and in and to any and United States of America and countries foreign eventors' Certificates in foreign countries in its which such applications are entitled under by be granted thereon or on any divisional, er or further application based in whole or in joyed as fully and exclusively as they would
cons that and	sideration any furth may be deemed n	er applications, assignments, and decessary by said Company, its succ	ocuments, and essors, assign	ors, to execute and deliver without further it to perform such other acts as I lawfully may, is, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all
gran		e said applications, to said 3M Inno		any and all Letters Patent which may be es Company, as the assignee of the entire right
	gal Name of Invent Intti K. LOUKU			
Inv	entor's Signature:	Ä	Date:	
l	List &	Sull room	4/19	1/2014