

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Frank V. Billotto</td> <td>11/13/2006</td> </tr> <tr> <td>Mark P. Allen</td> <td>11/21/2006</td> </tr> <tr> <td>Frank J. Flavin</td> <td>11/08/2006</td> </tr> </tbody> </table>		Name	Execution Date	Frank V. Billotto	11/13/2006	Mark P. Allen	11/21/2006	Frank J. Flavin	11/08/2006
Name	Execution Date								
Frank V. Billotto	11/13/2006								
Mark P. Allen	11/21/2006								
Frank J. Flavin	11/08/2006								
RECEIVING PARTY DATA									
Name:	Dow Global Technologies Inc.								
Street Address:	Washington Street, 1790 Building								
City:	Midland								
State/Country:	MICHIGAN								
Postal Code:	48674								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11891088</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11891088				
Property Type	Number								
Application Number:	11891088								
CORRESPONDENCE DATA									
Fax Number:	(215)983-1982								
Phone:	215-938-1981								
Email:	GARYCOHN@SEATTLEPATENT.COM								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	The Dow Chemical Company GARY C. COHN								
Address Line 1:	215 E. 96TH STREET								
Address Line 2:	APT# 19L								
Address Line 4:	NEW YORK, NEW YORK 10128								
ATTORNEY DOCKET NUMBER:	64851A US								
NAME OF SUBMITTER:	Gary C Cohn								
Total Attachments: 2 source=64851 inventor assignment#page1.tif source=64851 inventor assignment#page2.tif									

CH \$40.00 11891088

# INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: **MULTI-SEGMENT EXPANDABLE POLYMER COMPOSITIONS WHICH EXPAND IN A CONTROLLABLE DIRECTION**

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

**Dow Global Technologies Inc.**  
Washington Street, 1790 Building  
Midland, Michigan 48674

a corporation organized and existing under the laws of **Delaware** (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

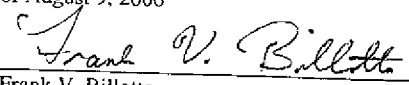
Priority Number	Filing Date	Filing Country
60/836,507	August 9, 2006	Pending

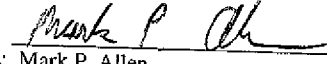
of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request; and I/we do hereby authorize Assignee or its designee (or nominee(s)) to insert here any corresponding equivalent Application Number, Filing Date, and Filing Country

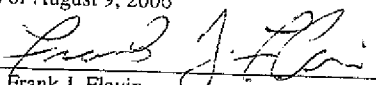
Application Number	Filing Date	Filing Country

to the above Priority application of any country where that country's patent property must be identified and entered hereinabove for recordal of this Assignment. I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At:	Auburn Hills, Michigan 48626
this	13 day of November, 20 06
Effective as of	August 9, 2006
Signature:	
Full Name:	Frank V. Billoto
Residence:	1777 Rochester Road Oakland, Michigan 48363
Country:	United States of America
Citizenship:	United States of America
P.O. Address:	Same as residence
Employed By:	The Dow Chemical Company
Of Country:	United States of America

At:	Auburn Hills, Michigan 48626
this	21 day of November, 20 06
Effective as of	August 9, 2006
Signature:	
Full Name:	Mark P. Allen
Residence:	12813 Boardwalk Drive Bruce Township, Michigan 48065
Country:	United States of America
Citizenship:	United States of America
P.O. Address:	Same as residence
Employed By:	The Dow Chemical Company
Of Country:	United States of America

At:	Midland, Michigan 48674, USA
this	8 day of November, 20 06
Effective as of	August 9, 2006
Signature:	
Full Name:	Frank J. Flavin
Residence:	1808 Candlestick Midland, Michigan 48642
Country:	United States of America
Citizenship:	United States of America
P.O. Address:	Same as residence
Employed By:	The Dow Chemical Company
Of Country:	United States of America

At:	Auburn Hills, Michigan 48626, USA
this	day of , 20
Effective as of	
Signature:	
Full Name:	
Residence:	
Country:	
Citizenship:	
P.O. Address:	Same as residence
Employed By:	
Of Country:	

( ) Additional names and signatures are attached.

This Assignment 220 is in the ENGLISH language and has the same meaning in other languages with the same 220 number and R/Date.  
FORM 220

### NOTARIAL CERTIFICATE (Individual)

UNITED STATES OF AMERICA )  
STATE OF MICHIGAN ) SS  
County/Parish of Oakland )

On this 13 day of November, 2006, personally appeared before me,  
Frank V. Billotto  
known or identified to me to be the individual described in and who executed the foregoing document  
and acknowledged the same as a free act and deed for uses and purposes therein expressed.

SEAL

*Car*

*Carol A. Axtell*

CAROL A. AXTELL  
NOTARY PUBLIC, OAKLAND COUNTY, MICHIGAN  
ACTING IN OAKLAND COUNTY, MICHIGAN  
MY COMMISSION EXPIRES JUNE 30, 2012

### NOTARIAL CERTIFICATE (Individual)

UNITED STATES OF AMERICA )  
STATE OF MICHIGAN ) SS  
County/Parish of Oakland )

On this 21 day of November, 2006, personally appeared before me,  
Mark P. Allen  
known or identified to me to be the individual described in and who executed the foregoing document  
and acknowledged the same as a free act and deed for uses and purposes therein expressed.

SEAL

*Car*

*Carol A. Axtell*

CAROL A. AXTELL  
NOTARY PUBLIC, OAKLAND COUNTY, MICHIGAN  
ACTING IN OAKLAND COUNTY, MICHIGAN  
MY COMMISSION EXPIRES JUNE 30, 2012

### NOTARIAL CERTIFICATE (Individual)

UNITED STATES OF AMERICA )  
STATE OF MICHIGAN ) SS  
County/Parish of Midland )

On this 8 day of November, 2006, personally appeared before me,  
Frank J. Flavin  
known or identified to me to be the individual described in and who executed the foregoing document  
and acknowledged the same as a free act and deed for uses and purposes therein expressed.

SEAL

*Brenda J. Maida*

BRENDA J. MAIDA  
NOTARY PUBLIC, STATE OF MICHIGAN  
CO PATENT  
MY COMMISSION EXPIRES JUNE 30, 2012  
ACTING IN REEL: 027630 FRAME: 0020