

PATENT ASSIGNMENT

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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>Stephan KONRAD</td> <td>11/16/2011</td> </tr> <tr> <td>Helmut-Werner HEUER</td> <td>11/23/2011</td> </tr> <tr> <td>Berit KRAUTER</td> <td>11/16/2011</td> </tr> <tr> <td>Pieter OOMS</td> <td>11/11/2011</td> </tr> <tr> <td>Michael PREIN</td> <td>11/16/2011</td> </tr> <tr> <td>Johann RECHNER</td> <td>11/24/2011</td> </tr> </tbody> </table>		Name	Execution Date	Stephan KONRAD	11/16/2011	Helmut-Werner HEUER	11/23/2011	Berit KRAUTER	11/16/2011	Pieter OOMS	11/11/2011	Michael PREIN	11/16/2011	Johann RECHNER	11/24/2011
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<table border="1"> <tr> <td>Name:</td> <td>BAYER MATERIAL SCIENCE AG</td> </tr> <tr> <td>Street Address:</td> <td>Building Q 18</td> </tr> <tr> <td>Internal Address:</td> <td>Patents & Licensing</td> </tr> <tr> <td>City:</td> <td>Leverkusen D-51368</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>D-51368</td> </tr> </table>		Name:	BAYER MATERIAL SCIENCE AG	Street Address:	Building Q 18	Internal Address:	Patents & Licensing	City:	Leverkusen D-51368	State/Country:	GERMANY	Postal Code:	D-51368		
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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>13764513</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13764513										
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CORRESPONDENCE DATA															
Fax Number:	4122810717														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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ATTORNEY DOCKET NUMBER:	133649.05811														

OP \$40.00 13764513

NAME OF SUBMITTER:	Raymond A. Miller
Signature:	/Raymond A. Miller/
Date:	04/18/2013
<p>Total Attachments: 9</p> <p>source=Assignment_Bayer#page1.tif</p> <p>source=Assignment_Bayer#page2.tif</p> <p>source=Assignment_Bayer#page3.tif</p> <p>source=Assignment_Bayer#page4.tif</p> <p>source=Assignment_Bayer#page5.tif</p> <p>source=Assignment_Bayer#page6.tif</p> <p>source=Assignment_Bayer#page7.tif</p> <p>source=Assignment_Bayer#page8.tif</p> <p>source=Assignment_Bayer#page9.tif</p>	

ASSIGNMENT

WHEREAS, WE, Stephan Konrad, Helmut-Werner Heuer, Berit Krauter, Pieter Ooms, Michael Prein and Johann Rechner, (hereinafter the "Assignors"), have made a certain new and useful invention as set forth and disclosed in an application for United States Letters Patent entitled HIGH MOLECULAR WEIGHT, RANDOM, BISPHENOL BASED COPOLY(PHOSPHONATE CARBONATE)S, the applications of which were filed with the United States Patent and Trademark Office on September 16, 2011 as U.S. Patent Application Serial No. 13/253,046 and PCT Application No. PCT/US2011/052005, which claim priority to U.S. Provisional Application No. 61/383,697 filed September 16, 2010, and U.S. Provisional Application No. 61/383,686 filed September 16, 2010 (hereinafter referred to as the "Invention");

WHEREAS, BAYER MATERIAL SCIENCE AG, having an address of Patents & Licensing, Building Q 18, Leverkusen D-51368 Germany (hereinafter referred to "Assignee"), is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries that may be obtained therefor; and

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, Assignors do hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns, the entire right, title and interest in and to said Invention as set forth in the above-mentioned application, including any applications which claim priority to the above referenced application, any applications to which the above referenced application claims priority, and any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said Invention;

UPON SAID CONSIDERATION, Assignors shall not execute any writing or do any act whatsoever conflicting with the terms and conditions of this Assignment, and that Assignors will, at any time upon request, without further or additional consideration, but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for or obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said Invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, by giving testimony in any and all proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind and inure to the benefit of the assigns and legal representatives of Assignors and Assignee;

The undersigned hereby grant(s) the firm of PEPPER HAMILTON LLP the power to insert on this Assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

DOCKET NO. 133649.5801

Patent

AND we request that any Patents that may be issued for said Invention be issued to said Assignee, its legal representatives, successors or assigns, as the joint owner of the entire right, title and interest in and to said patent and the invention covered thereby.

2011-11-16
Date: _____, 2011

By: 
Name: Stephan Konrad

On this ____ day of _____, 2011, before me personally appeared, **Stephan Konrad**, known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

SEAL

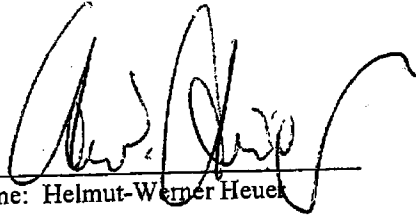
Notary Public

My commission expires _____

DOCKET NO. 133649.5801

Patent

Date: 23.11., 2011

By: 
Name: Helmut-Werner Heuer

On this ____ day of _____, 2011, before me personally appeared, **Helmut-Werner Heuer**, known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

SEAL

Notary Public

My commission expires _____

DOCKET NO. 133649.5801

Patent

Date: 10.11, 2011

By: [Signature]
Name: Berit Krauter

On this ____ day of _____, 2011, before me personally appeared, **Berit Krauter**, known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

SEAL

Notary Public

My commission expires _____

DOCKET NO. 133649.5801

Patent

Date: 11 November, 2011

By: Pieter Ooms
Name: Pieter Ooms

On this ____ day of _____, 2011, before me personally appeared, **Pieter Ooms**, known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

SEAL

Notary Public

My commission expires _____

Urkundenrollen-Nr. aus 2011

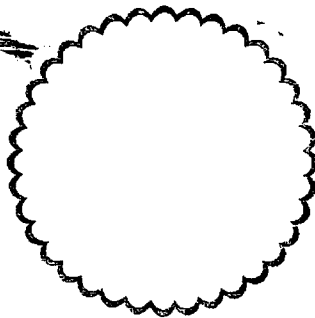
Ooms (Begl.) / cs

I hereby certify that the signature on the attached document is the true signature of

Dr. Petrus Henricus Johannes **O o m s**, born on the 28. March 1948, resident
Dörperhofstraße 16 in 47800 Krefeld, Germany
- identified by his dutch passport - ,

who signed the attached document in my presence .

Krefeld-Uerdingen, on the 11. November 2011



Dr. Christian Pelz LLM
Civil Law Notary

DOCKET NO. 133649.5801

Patent

Date: 10.11., 2011

By: *Michael Prein*
Name: Michael Prein

On this ____ day of _____, 2011, before me personally appeared, **Michael Prein**, known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

SEAL

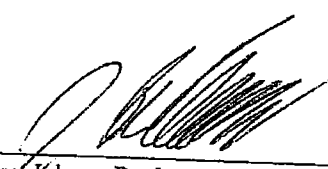
Notary Public

My commission expires _____

DOCKET NO. 133649,5801

Patent

Date: 24.11, 2011

By: 
Name: Johann Rechner

On this ____ day of _____, 2011, before me personally appeared, **Johann Rechner**, known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

SEAL

Notary Public

My commission expires _____

URNr. 1901/2011

1. I certify that the individuals, named

- Mr. Stephan Konrad, resident at Rotkäppchenweg 20 in 41541 Dormagen, Germany,
- Mr. Helmut-Werner Heuer, resident at Schauburgstraße 12 93155 Hemau, Germany,
- Mrs. Berit Krauter, resident at Am Hang 47 in 42799 Leichlingen, Germany,
- Mr. Michael Prein, resident at Heinrich-Klausmann-Straße 1 in 47809 Krefeld, Germany,
- Mr. Johann Rechner, resident at Friedrich-Kramer-Straße 2 in 47906 Kempen, Germany

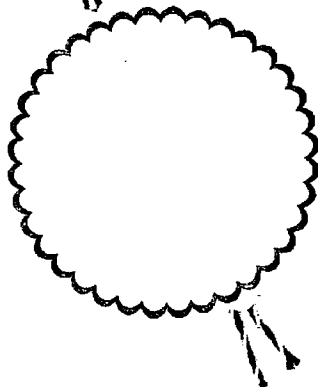
appeared before me and executed the foregoing document and signed personally

- all identified by their identity cards -.

2. Ich beglaube die vor mir vollzogenen Unterschriften von :

- Herrn Stephan Konrad, wohnhaft Rotkäppchenweg 20 in 41541 Dormagen, Deutschland,
 - Herrn Helmut-Werner Heuer, wohnhaft Schauburgstraße 12 in 93155 Hemau, Deutschland,
 - Frau Berit Krauter, wohnhaft Am Hang 47 in 42799 Leichlingen, Deutschland,
 - Herrn Michael Prein, wohnhaft Heinrich-Klausmann-Straße 1 in 47809 Krefeld, Deutschland,
 - Herrn Johann Rechner, wohnhaft Friedrich-Kramer-Straße 2 in 47906 Kempen, Deutschland
- sämtlich ausgewiesen durch Bundespersonalausweise -.

Leverkusen, den 24. November 2011



Klaus Striewski
(Notar in Leverkusen)

PATENT