

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Dow Wolff Cellulosics	11/07/2012
RECEIVING PARTY DATA	
Name:	The Dow Chemical Company
Street Address:	2030 Dow Center
City:	Midland
State/Country:	MICHIGAN
Postal Code:	48674
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12672799
CORRESPONDENCE DATA	
Fax Number:	9896363237
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	9896360618
Email:	roedel@dow.com
Correspondent Name:	Matthew Roedel
Address Line 1:	2040 Dow Center
Address Line 4:	Midland, MICHIGAN 48674
ATTORNEY DOCKET NUMBER:	WC071004-US-PCT
NAME OF SUBMITTER:	Matthew Roedel
Total Attachments: 3 source=WC071004-US-PCT 20121112 BJH Dow Wolff to Dow Chemical#page1.tif source=WC071004-US-PCT 20121112 BJH Dow Wolff to Dow Chemical#page2.tif source=WC071004-US-PCT 20121112 BJH Dow Wolff to Dow Chemical#page3.tif	

CH \$40.00 12672799

This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number.

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FORM 660

### ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE: **THE DOW CHEMICAL COMPANY**  
**2030 Dow Center**  
**Midland, Michigan 48674**  
**United States of America**

hereby accept the ASSIGNMENT attached hereto which is dated: November 7, 2012

From, the ASSIGNOR:  
**DOW WOLFF CELLULOSICS**  
**August-Wolff-Strasse 13**  
**9699 Bomlitz**  
**Germany**

of the invention entitled:


**NANOPARTICLES FROM SLIGHTLY OXIDISED CELLULOSE**

without any restrictions and with all rights and obligations deriving therefrom and declare that this confirmation of acceptance shall be deemed a part of the said ASSIGNMENT.

Signed at Midland, Michigan 48674, USA  
this 7 day of November, 20 12

CORP.  
SEAL

THE DOW CHEMICAL COMPANY

By:   
**DARRYL P. FRICKEY**  
Assistant General Counsel - IP Law

### NOTARIAL CERTIFICATE (Corporation)

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

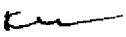
On this 7 day of November, 20 12, personally appeared before me, **DARRYL P. FRICKEY, Assistant General Counsel - IP Law**, known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed by authority of the said Corporation incorporated under the laws of **the State of Delaware, United States of America**.

I further certify that said authority, dated **April 6, 2011**, is based on

**a Certified Resolution**

which I have seen, appointing the said individual Assistant General Counsel - IP Law with full power to sign the foregoing document on behalf of the said corporation and that the purposes for which said document is granted are within the scope of the objects or activities of said corporation.

SEAL



  
**Kathy Sue Wertz**  
NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN  
MY COMMISSION EXPIRES APRIL 07, 2018

This Assignment 440 is in the ENGLISH language and has the same meaning in other languages with the same 440 number.

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FORM 440

**ASSIGNMENT**  
(with Priority Rights)  
and  
**INVENTORSHIP DECLARATION**

We, ASSIGNOR, of: **DOW WOLFF CELLULOSICS GMBH**  
**August-Wolff-Strasse 13**  
**9699 Bomlitz**  
**Germany**

a corporation organized and existing under the laws of GERMANY do hereby claim and declare that we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof from the sole, true and first inventor(s):

Klaus Nachtkamp, Platanenring 51, 29664 Walsrode, Germany, Citizen of Germany; Christa M. Kruger, vogelbeerweg 13, 29640 Schneverdingen, Germany, Citizen of Germany; Jurgen Engelhardt, Vierder Weg 12, 29683 Bad Fallingb., Germany, Citizen of Germany; Volker Kriegisch, Erlenweg 13, 29644 Walsrode, Germany, Citizen of Germany; Steffen Fischer, Am Weinberg 31, 01705 Freital, Germany, Citizen of Germany; Manfred Pinnow, John Schehr Strasse 11, 14514 Teltow, Germany, Citizen of Germany; and Kay Hettrich, Am Panoramaweg 2B, 14548 Schwielowsee / Caputh, Germany, Citizen of Germany

by an Assignment dated: : December 11, 2009; December 14, 2009; December 17, 2009; January 13, 2010; January 14, 2010; and January 18, 2010, respectively of an invention relating to and entitled:

**NANOPARTICLES FROM SLIGHTLY OXIDISED CELLULOSE**

We do hereby declare, for good and valuable consideration, received, sell, assign, and transfer unto:

WE, the ASSIGNEE: **THE DOW CHEMICAL COMPANY**  
**2030 Dow Center**  
**Midland, Michigan 48674**  
**United States of America**

a corporation organized and existing under the laws of the State of Delaware, United States of America our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make application for Letters Patent in its own name, or in the name of its nominee; and all rights and powers to file any reissue, divisional, continuing or substitute application and any corresponding applications in any and all countries, including all rights to claim priority under all International Conventions and Treaties in the name of said Assignee, and do hereby authorize said Assignee to insert here the Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
07012803	August 10, 2007	Europe

of the application on which the priority will be based; and in and to any Letters Patent that may be issued for said invention in any and all countries; and we do hereby agree to assist said Assignee in the prosecution of the said applications and in any interference, conflict, opposition or litigation which may arise involving said invention or the patent or patents thereon, and to execute any reissue, divisional, continuing or substitute application and assent to their making any applications in other countries corresponding to the above and below specifically identified application, as may be requested by said Assignee; and we do hereby authorize said Assignee to insert here the corresponding Application Number, Filing Date, and Filing Country

Application Number	Filing Date	Filing Country

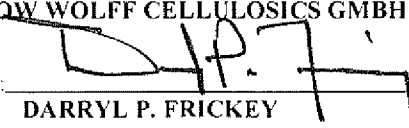
of the corresponding application in any country where that patent property must be entered for recordal of this Assignment; and we do hereby authorize and request that any such Letters Patent be issued to said Assignee in accordance herewith, and consent to the recordal of this Assignment being under covenant, not only that 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 Sworn by us at Midland, Michigan 48674, USA

this 7 day of November, 2012

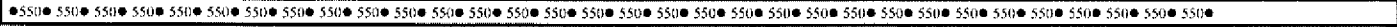
CORP.  
SEAL

**DOW WOLFF CELLULOSICS GMBH**

By:   
**DARRYL P. FRICKEY**  
Authorized Representative

Attach Notarial Certificate (Corporation)

This Notarial Certificate 550 is in the ENGLISH language and has the same meaning in other languages with the same 550 number.



This Notarial Certificate 550 is in the ENGLISH language and has the same meaning in other languages with the same 550 number.

FORM 550

### NOTARIAL CERTIFICATE (Corporation)

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

On this 7 day of November, 2012, personally appeared before me, **DARRYL P. FRICKEY, Authorized Representative**, 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 by authority of the said Corporation incorporated under the laws of **GERMANY**.

I further certify that said authority, dated **March 24, 2011**, is based on

**by authority of a Power of Attorney**

which I have seen, appointing the said individual Authorized Representative with full power to sign the foregoing document on behalf of the said corporation and that the purposes for which said document is granted are within the scope of the objects or activities of said corporation.

SEAL

*Kathy Sue Wertz*  
NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN  
MY COMMISSION EXPIRES APRIL 07, 2018