

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>Joonsik Park</td> <td>11/27/2012</td> </tr> <tr> <td>Masashi Higasa</td> <td>11/27/2012</td> </tr> <tr> <td>Asako Sogame</td> <td>11/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	Joonsik Park	11/27/2012	Masashi Higasa	11/27/2012	Asako Sogame	11/28/2012				
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CORRESPONDENCE DATA													
<p>Fax Number: 2156562498 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 215-656-3381 Email: pto.phil@dlapiper.com Correspondent Name: IP GROUP OF DLA PIPER LLP (US) Address Line 1: ONE LIBERTY PLACE Address Line 2: 1650 MARKET ST, SUITE 4900 Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103</p>													
ATTORNEY DOCKET NUMBER:	TOR-12-1370												
NAME OF SUBMITTER:	Nancy Nunez												
	This document serves as an Oath/Declaration (37 CFR 1.63).												
Total Attachments: 1 source=Assignment#page1.tif													

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TOR-12-1370

ASSIGNMENT

WHEREAS, we, Joonsik Park, Masashi Higasa and Asako Sogame, citizens of Korea, Japan, and Japan, respectively, all residing at c/o Basic Research Center, Toray Industries, Inc., 10-1, Teburo 6-chome, Kamakura-shi, Kanagawa 2488555 Japan, (hereinafter referred to as "the undersigned"), having made an invention entitled WATER-SULUBLE POLYMER AND WATER-SOLUBLE NANOPARTICLE COMPOSITE, identified in International Application No. PCT/JP2011/064503, and in US Application No. 13/703,237, (DLA Piper is authorized to insert the Serial No. when known),

WHEREAS, Toray Industries, Inc., with offices located at 1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku, Tokyo 1038666 Japan (hereinafter referred to as "the assignee"), is desirous of acquiring the entire right, title and interest in said invention, said US application and all letters patent issuing for said invention,

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good and valuable consideration, receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, do hereby sell, assign and transfer to the assignee the entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including said US application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the assignee, and to execute all instruments proper to carry out the intent of this instrument. If the undersigned includes more than one individual, these obligations shall apply to all of the undersigned both individually and collectively.

The rights and property herein conveyed by the undersigned are free and clear of any encumbrance.

EXECUTED on the date(s) set forth below.

27 Nov. 2012
Date

27. Nov. 2012
Date

28. Nov. 2012
Date

Joonsik Park
Joonsik Park

Masashi Higasa
Masashi Higasa

Asako Sogame
Asako Sogame

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