

## 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>Naotoshi Tomita</td> <td>07/16/2013</td> </tr> <tr> <td>Yoshiyuki Ueno</td> <td>07/16/2013</td> </tr> <tr> <td>Kazuhiro Tanahashi</td> <td>07/16/2013</td> </tr> </tbody> </table>		Name	Execution Date	Naotoshi Tomita	07/16/2013	Yoshiyuki Ueno	07/16/2013	Kazuhiro Tanahashi	07/16/2013		
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<table border="1"> <tr> <td>Name:</td> <td>Toray Industries, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>103-8666</td> </tr> </table>		Name:	Toray Industries, Inc.	Street Address:	1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	103-8666
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CORRESPONDENCE DATA											
<p>Fax Number: 215-656-24  <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-13-1221										
NAME OF SUBMITTER:	Nancy Nunez										
Signature:	/NN/										
Date:	08/22/2013										
Total Attachments: 1 source=Assignment#page1.tif											

CH \$40.00 14001065

ASSIGNMENT

WHEREAS, we, Naotoshi Tomita, Yoshiyuki Ueno and Kazuhiro Tanahashi, all citizens of Japan, all residing at c/o Shiga Plant, Toray Industries, Inc., 1-1, Sonoyama 1-chome, Otsu-shi, Shiga 5208558 Japan, (hereinafter referred to as "the undersigned"), having made an invention entitled CARRIER FOR BLOOD COMPONENT ADSORPTION AND BLOOD COMPONENT ADSORPTION COLUMN, identified in International Application No. PCT/JP2012/054506, and in US Application No. 14/001,065 (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 103-8666 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.

Date July 16, 2013

Date July 16, 2013

Date July 16, 2013

Naotoshi Tomita Naotoshi Tomita  
 Yoshiyuki Ueno Yoshiyuki Ueno  
 Kazuhiro Tanahashi Kazuhiro Tanahashi