

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>Tatsuya Kosui</td> <td>06/14/2013</td> </tr> <tr> <td>Hiroaki Date</td> <td>06/14/2013</td> </tr> <tr> <td>Ryosuke Yamao</td> <td>06/14/2013</td> </tr> <tr> <td>Hiroshi Tsuchikura</td> <td>06/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Tatsuya Kosui	06/14/2013	Hiroaki Date	06/14/2013	Ryosuke Yamao	06/14/2013	Hiroshi Tsuchikura	06/14/2013
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<table border="1"> <tr> <td>Name:</td> <td>Shima Seiki Mfg., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>85, Sakata</td> </tr> <tr> <td>City:</td> <td>Wakayama-shi, Wakayama</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>641-8511</td> </tr> </table>		Name:	Shima Seiki Mfg., Ltd.	Street Address:	85, Sakata	City:	Wakayama-shi, Wakayama	State/Country:	JAPAN	Postal Code:	641-8511
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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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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number:	2156562498										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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CH \$40.00 13996888

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ATTORNEY DOCKET NUMBER:	HIP-13-1210
NAME OF SUBMITTER:	Nancy Nunez
Signature:	/NN/
Date:	06/21/2013

Total Attachments: 2
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ASSIGNMENT

WHEREAS, we, (1) Tatsuya KOSUI, (2) Hiroaki DATE, (3) Ryosuke YAMAO and (4) Hiroshi TSUCHIKURA, citizens of Japan,
(1) residing at c/o Shima Seiki MFG., LTD., 85, Sakata, Wakayama-shi, Wakayama 641-8511 Japan,
(2) and (4) residing at c/o Seta Plant, Toray Industries, Inc., 1-1, Oe 1-chome, Otsu-shi, Shiga 520-2141 Japan, and
(3) residing at c/o Osaka Head Office, Toray Industries, Inc., 3-3, Nakanoshima 3-chome, Kita-ku, Osaka-shi, Osaka 530-8222 Japan
respectively, (hereinafter referred to as "the undersigned"), having made an invention entitled

THREE-DIMENSION FABRIC

identified in International Application No. PCT/JP2011/079624, and US Application No. 13/996,888 (DLA Piper is authorized to insert the Serial No. when known),

WHEREAS, (1) SHIMA SEIKI MFG., LTD., with a head office at 85, Sakata, Wakayama-shi, Wakayama 641-8511 Japan, and (2) Toray Industries, Inc., with a head office at 1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku, Tokyo 103-8666 Japan,
(hereinafter referred to as "assignee"), are 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, does 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.

June 14, 2013
Date

June 14, 2013
Date

June 14, 2013
Date

(1) Tatsuya Kosui
Tatsuya KOSUI

(2) Hiroaki Date
Hiroaki DATE

(3) Ryosuke Yamao
Ryosuke YAMAO

ASSIGNMENT
(Page 2)

June 14, 2013
Date

(4) 
Hiroshi TSUCHIKURA