

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NOBUAKI TANAKA	03/18/2019
HIROSHI TSUCHIKURA	03/15/2019
SATOSHI YAMADA	03/18/2019
YUICHI KOYAMATSU	03/14/2019
TAISUKE KOGAWA	03/11/2019
YUKA SAKAGUCHI	03/11/2019
KAZUHIRO TANAHASHI	03/11/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TORAY INDUSTRIES, INC.
<b>Street Address:</b>	1-1, NIHONBASHI-MUROMACHI 2-CHOME, CHUO-KU
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	103-8666
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16340081
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(215)656-2498
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<b>Phone:</b>	215-656-3381
<b>Email:</b>	pto.phil@dlapiper.com
<b>Correspondent Name:</b>	IP GROUP OF DLA PIPER LLP (US)
<b>Address Line 1:</b>	ONE LIBERTY PLACE
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<b>ATTORNEY DOCKET NUMBER:</b>	IPO-19-1144/389181-013
<b>NAME OF SUBMITTER:</b>	T. DANIEL CHRISTENBURY
<b>SIGNATURE:</b>	/TDC/
<b>DATE SIGNED:</b>	04/05/2019

PATENT

	This document serves as an Oath/Declaration (37 CFR 1.63).
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**Total Attachments: 3**

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IPO-19-1144

**COMBINED DECLARATION/ASSIGNMENT**

WHEREAS, we

Nobuaki Tanaka of Otsu, Japan  
Hiroshi Tsuchikura of Otsu, Japan  
Satoshi Yamada of Otsu, Japan  
Yuichi Koyamatsu of Otsu, Japan  
Taisuke Kogawa of Otsu, Japan  
Yuka Sakaguchi of Otsu, Japan  
Kazuhiro Tanahashi of Otsu, Japan

(hereinafter referred to as "the undersigned"), have made an invention entitled TUBULAR WOVEN FABRIC identified in International Application No. PCT/JP2017/035530 and US Application No. 16/340,081, (DLA Piper is authorized to insert the US Serial No. when known),

the above-identified application was made or authorized to be made by the persons executing this Declaration;

we believe that we are the original joint inventors of a claimed invention in the application;

we hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 USC §1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, Toray Industries, Inc. with offices at 1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku, Tokyo 103-8666 Japan (hereinafter referred to as "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, 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

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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 dates set forth below.

March. 18. 2019  
Date

Mar. 15. 2019  
Date

March. 18. 2019  
Date

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Date

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Date

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Date

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Date

田中 伸明  
Nobuaki Tanaka

土高 弘至  
Hiroshi Tsuchikura

山田 萌  
Satoshi Yamada

\_\_\_\_\_  
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Kazuhiro Tanahashi

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\_\_\_\_\_  
Nobuaki Tanaka

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Date

\_\_\_\_\_  
Hiroshi Tsuchikura

\_\_\_\_\_  
Date

\_\_\_\_\_  
Satoshi Yamada

March 14, 2019  
Date

Yuichi Koyamatsu  
Yuichi Koyamatsu

March 11, 2019  
Date

Taisuke Kogawa  
Taisuke Kogawa

March 11, 2019  
Date

Yuka Sakaguchi  
Yuka Sakaguchi

March 11, 2019  
Date

Kazuhiko Tanahashi  
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