

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5973398

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|------------------------------|----------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| HIROSHI MASUYA | 01/29/2020 |
| YOSHIHIRO TANAKA | 01/27/2020 |
| TORU TANAKA | 01/29/2020 |
| EIJI KODA | 01/29/2020 |
| HIROSHI WATASE | 01/27/2020 |
| MEGURU TSUNOMOTO | 01/27/2020 |

RECEIVING PARTY DATA

| | |
|------------------------|------------------------------------|
| Name: | TOKYO ROPE MANUFACTURING CO., LTD. |
| Street Address: | 6-2, NIHONBASHI 3-CHOME |
| City: | CHUO-KU, TOKYO |
| State/Country: | JAPAN |
| Postal Code: | 103-8306 |
| Name: | ORIENTAL SHIRAISHI CORPORATION |
| Street Address: | 5-6-52 TOYOSU |
| City: | KOTO-KU, TOKYO |
| State/Country: | JAPAN |
| Postal Code: | 135-0061 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16635223 |

CORRESPONDENCE DATA

Fax Number: (844)670-6009

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 248-433-7200

Email: amoscowitz@dickinsonwright.com

Correspondent Name: DICKINSON WRIGHT PLLC

Address Line 1: 2600 WEST BIG BEAVER ROAD

Address Line 2: SUITE 300

Address Line 4: TROY, MICHIGAN 48084-3312

PATENT

| | |
|---|--------------------------|
| ATTORNEY DOCKET NUMBER: | 50221-30 (WP2018-020-US) |
| NAME OF SUBMITTER: | RICHARD A. JONES |
| SIGNATURE: | /RICHARD A. JONES/ |
| DATE SIGNED: | 02/20/2020 |
| Total Attachments: 8 source=50221_30SIGNEDAssignment#page1.tif source=50221_30SIGNEDAssignment#page2.tif source=50221_30SIGNEDAssignment#page3.tif source=50221_30SIGNEDAssignment#page4.tif source=50221_30SIGNEDAssignment#page5.tif source=50221_30SIGNEDAssignment#page6.tif source=50221_30SIGNEDAssignment#page7.tif source=50221_30SIGNEDAssignment#page8.tif | |

COMBINED ASSIGNMENT AND DECLARATION UNDER 37 CFR 1.63 FOR UTILITY OR DESIGN PATENT APPLICATION

ASSIGNMENT

As a below-named inventor, I hereby declare that:

My post office address is as stated below under my signature and I am named as an inventor of the invention (herein INVENTION) as described in the patent application (herein APPLICATION) identified below:

Title: ANCHORAGE OF CONTINUOUS FIBER-REINFORCED
POLYMER STRANDS TECHNICAL FIELD

Inventors: Hiroshi MASUYA; Yoshihiro TANAKA; Toru TANAKA;
Eiji KODA; Hiroshi WATASE; Meguru TSUNOMOTO

Serial No.: 16/635,223

Filing Date: January 30, 2020

Docket No.: 50221-00030

In view of valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I do hereby assign and transfer unto:

**TOKYO ROPE MANUFACTURING CO., LTD.
6-2, Nihonbashi 3-chome
Chuo-ku, Tokyo 103-8306
JAPAN**

**ORIENTAL SHIRAISHI CORPORATION
5-6-52 Toyosu, Koto-ku, Tokyo, 135-0061
JAPAN**

(herein ASSIGNEE), my entire right, title and interest in and to the INVENTIONS, the APPLICATION and the right of priority thereto, and all related applications (including provisional applications, non-provisional applications, divisional, reissues, continuations, and extensions thereof, whether or not claiming priority to the APPLICATION) and all counterparts in other countries and any and all Letters Patent (and certificates of invention or similar certificates) (herein PATENTS) which may be granted based upon the INVENTIONS or the APPLICATION or related applications or counterparts in other countries, this assignment being applicable throughout the world; and I do hereby agree to assign and transfer unto ASSIGNEE, its successors or assigns, on like terms as set forth in this Assignment, my entire right, title and interest in and to any continuation-in-

part applications related to the APPLICATION or to any other related applications herein assigned.

I agree that I will communicate to ASSIGNEE or its designated representatives any material facts known to me respecting the INVENTION and/or the APPLICATION; testify in any legal proceedings respecting the INVENTIONS; and execute any and all papers deemed necessary by ASSIGNEE, its successors or assigns, to secure the rights herein assigned.

I authorize ASSIGNEE or its representatives to complete the Serial Number and Filing Date of the APPLICATION, once known, if that information is not specified above as of the date of my signature hereto.

I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.

DECLARATION

As the below named inventor, I hereby further declare that:

The patent application was made or authorized to be made by the undersigned as an original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below).

This declaration is directed to:

☐ The attached application as identified above, or
☒ U.S. Application Serial No. 16/635,223 filed on 30 January 2020
or
☒ PCT International Application No. PCT/JP2018/026214 filed on 11 July 2018.
☐ Provisional Application No. _____ filed on _____.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37 CFR § 1.56.

I hereby declare that all statements made herein of my own knowledge are true, that all statements made on information and belief are believed to be true, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: Hiroshi MASUYA

Inventor's signature: H. Masuya Date January 29, 2020

Residence: c/o Kanazawa University, Kakuma-machi 7, Kanazawa-shi, Ishikawa, 920-1192 JAPAN

Post Office Address: c/o Kanazawa University, Kakuma-machi 7, Kanazawa-shi, Ishikawa, 920-1192 JAPAN

Full name of second inventor: Yoshihiro TANAKA

Inventor's signature: _____ Date _____

Residence: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Post Office Address: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Full name of third inventor: Toru TANAKA

Inventor's signature: _____ Date _____

Residence: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Post Office Address: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Full name of fourth inventor: Eiji KODA

Inventor's signature: _____ Date _____

Residence: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Post Office Address: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

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Full name of **sole or first inventor**: **Hiroshi MASUYA**

Inventor's signature: _____ Date _____

Residence: c/o Kanazawa University, Kakuma-machi 7, Kanazawa-shi, Ishikawa, 920-1192 JAPAN

Post Office Address: c/o Kanazawa University, Kakuma-machi 7, Kanazawa-shi, Ishikawa, 920-1192 JAPAN

Full name of **second inventor**: **Yoshihiro TANAKA**

Inventor's signature: *Yoshihiro Tanaka* Date 27. Jan. 2020

Residence: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Post Office Address: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Full name of **third inventor**: **Toru TANAKA**

Inventor's signature: _____ Date _____

Residence: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Post Office Address: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Full name of **fourth inventor**: **Eiji KODA**

Inventor's signature: _____ Date _____

Residence: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Post Office Address: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

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Full name of sole or first inventor: Hiroshi MASUYA

Inventor's signature: _____ Date _____

Residence: c/o Kanazawa University, Kakuma-machi 7, Kanazawa-shi, Ishikawa, 920-1192 JAPAN

Post Office Address: c/o Kanazawa University, Kakuma-machi 7, Kanazawa-shi, Ishikawa, 920-1192 JAPAN

Full name of second inventor: Yoshihiro TANAKA

Inventor's signature: _____ Date _____

Residence: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Post Office Address: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Full name of third inventor: Toru TANAKA

Inventor's signature: Toru Tanaka Date January 29, 2020

Residence: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Post Office Address: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Full name of fourth inventor: Eiji KODA

Inventor's signature: _____ Date _____

Residence: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Post Office Address: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

I hereby declare that all statements made herein of my own knowledge are true, that all statements made on information and belief are believed to be true, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: Hiroshi MASUYA

Inventor's signature: _____ Date _____

Residence: c/o Kanazawa University, Kakuma-machi 7, Kanazawa-shi, Ishikawa, 920-1192 JAPAN

Post Office Address: c/o Kanazawa University, Kakuma-machi 7, Kanazawa-shi, Ishikawa, 920-1192 JAPAN

Full name of second inventor: Yoshihiro TANAKA

Inventor's signature: _____ Date _____

Residence: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Post Office Address: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Full name of third inventor: Toru TANAKA

Inventor's signature: _____ Date _____

Residence: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Post Office Address: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Full name of fourth inventor: Eiji KODA

Inventor's signature: Eiji Koda Date 29/01/2020

Residence: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Post Office Address: c/o TOKYO ROPE MANUFACTURING CO., LTD., 3-6-2, Nihonbashi, Chuo-ku, Tokyo 103-8306 JAPAN

Full name of **fifth** inventor: Hiroshi WATASE

Inventor's signature: Hiroshi WataSe Date January 27 2020

Residence: c/o ORIENTAL SHIRAISHI Corporation, 5-6-52 Toyosu, Koto-ku, Tokyo, 135-0061 JAPAN

Post Office Address: c/o ORIENTAL SHIRAISHI Corporation, 5-6-52 Toyosu, Koto-ku, Tokyo, 135-0061 JAPAN

Full name of **sixth** inventor: Meguru TSUNOMOTO

Inventor's signature: _____ Date _____

Residence: c/o ORIENTAL SHIRAISHI Corporation, 5-6-52 Toyosu, Koto-ku, Tokyo, 135-0061 JAPAN

Post Office Address: c/o ORIENTAL SHIRAISHI Corporation, 5-6-52 Toyosu, Koto-ku, Tokyo, 135-0061 JAPAN

Full name of **fifth** inventor: Hiroshi WATASE

Inventor's signature: _____ Date _____

Residence: c/o ORIENTAL SHIRAISHI Corporation, 5-6-52 Toyosu, Koto-ku, Tokyo, 135-0061 JAPAN

Post Office Address: c/o ORIENTAL SHIRAISHI Corporation, 5-6-52 Toyosu, Koto-ku, Tokyo, 135-0061 JAPAN

Full name of **sixth** inventor: Meguru TSUNOMOTO

Inventor's signature: Meguru Tsunomoto Date January 27, 2020

Residence: c/o ORIENTAL SHIRAISHI Corporation, 5-6-52 Toyosu, Koto-ku, Tokyo, 135-0061 JAPAN

Post Office Address: c/o ORIENTAL SHIRAISHI Corporation, 5-6-52 Toyosu, Koto-ku, Tokyo, 135-0061 JAPAN