504043440 10/10/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4090101

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| KENJI KATSUNO | 09/13/2016 |

RECEIVING PARTY DATA

| Name: | NHK SPRING CO., LTD. |
|-------------------|-------------------------|
| Street Address: | 10, FUKUURA 3-CHOME |
| Internal Address: | KANAZAWA-KU |
| City: | YOKOHAMA-CITY, KANAGAWA |
| State/Country: | JAPAN |
| Postal Code: | 236-0004 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15303133 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | IIPNSC-PT001 |
|-------------------------|-----------------------|
| NAME OF SUBMITTER: | GERALD B. HALT, JR. |
| SIGNATURE: | /Gerald B. Halt, Jr./ |
| DATE SIGNED: | 10/10/2016 |

Total Attachments: 4

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PATENT 504043440 REEL: 039978 FRAME: 0243

COMBINED DECLARATION AND ASSIGNMENT

With respect to the invention titled

PIPE-SHAPED MEMBER AND METHOD FOR SEALING END PART THEREOF, the undersigned has authorized the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:

US National Phase of International Application No.: PCT/JP2015/060146 filed on 31 March 2015.

I state and declare the following.

DECLARATION

The above identified application was made or authorized to be made by me.

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

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than 5 years, or both.

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ASSIGNMENT

The undersigned hereby authorizes assignee or assignee's representative to insert the Application Number and the filing date of this application if they are unknown at the time of execution of this assignment.

| Assignee | NHK SPRING CO., LTD. |
|--|---|
| Assignee State or Country of Incorporation | Japan |
| | 10, Fukuura 3-chome, Kanazawa-ku |
| Assignee Address | Yokohamarcity, Kanagawa, 2360004 JAPAN |

Assignee is desirous of acquiring the entire right, title and interest in the invention, all applications for and all letters patent issued on the invention.

For good and valuable consideration, the receipt and sufficiency of which is acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the assignee and assignee's successors, assigns and legal representatives the entire right, title and interest in the invention and all patent applications thereon, including, but not limited to, the application for United States Letters Patent entitled as above, and all divisions and continuations thereof, and in all letters patent, including all reissues and reexaminations thereof, throughout the world, including the right to claim priority under the Paris Convention or other treaty.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, to supply all information and evidence relating to the making and practice of the invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention throughout the world for the benefit of the assignee, and to execute all instruments proper to carry out the intent of this instrument.

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

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Atty. Docket No. IIPNSC-PT001

This Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, the undersigned hereby authorizes our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

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PATENT REEL: 039978 FRAME: 0246

SIGNATURE SHEET FOR DECLARATION AND ASSIGNMENT

| Inventor's Name | Kenji KATSUNO |
|-------------------------|--|
| Inventor's Signature | Kenji Katsuno September 13, 2016 |
| Date | September 13, 2016 |
| Signed at | Kana sawa , JAPAN (City and Country) |
| | |
| STATEM | ENT OF WITNESS (optional): |
| Assessing a service | Ι, |
| | (name of witness) |
| was perso | nally present and did see |
| | (inventor identified above) |
| execute t | his Assignment on and such Assignor is personally known (date) |
| to me to 1 | be the person described herein. |
| Witness | |

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RECORDED: 10/10/2016

PATENT REEL: 039978 FRAME: 0247