

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6519721

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YOSHIO YAMADA	01/21/2021
TAKAO KOBAYASHI	01/19/2021
KAZUHITO HIRAOKA	01/19/2021
SHUJI TAKAHASHI	01/21/2021
HIDEAKI SEKI	01/20/2021
RECEIVING PARTY DATA	
Name:	NHK SPRING CO., LTD.
Street Address:	10, FUKUURA 3-CHOME, KANAZAWA-KU
City:	YOKOHAMA-SHI, KANAGAWA
State/Country:	JAPAN
Postal Code:	236-0004
Name:	DAIDO KOGYO CO., LTD.
Street Address:	I-197, KUMASAKA-MACHI
City:	KAGA-SHI, ISHIKAWA
State/Country:	JAPAN
Postal Code:	922-8686
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17263862
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Phone:	864-271-1592
Email:	USDOCKETING@DORITY-MANNING.COM
Correspondent Name:	DORITY & MANNING, P.A.
Address Line 1:	POST OFFICE BOX 1449
Address Line 4:	GREENVILLE, SOUTH CAROLINA 29602-1449
ATTORNEY DOCKET NUMBER:	TAIYO-136-PCT-US

NAME OF SUBMITTER:	THOMAS D. HUYCKE
SIGNATURE:	/Thomas D. Huycke/
DATE SIGNED:	01/27/2021
Total Attachments: 6 source=28Assignment#page1.tif source=28Assignment#page2.tif source=28Assignment#page3.tif source=28Assignment#page4.tif source=28Assignment#page5.tif source=28Assignment#page6.tif	

**DECLARATION AND ASSIGNMENT
FOR PATENT APPLICATION**

特許出願宣誓書及び譲渡書

This Declaration and Assignment for Patent Application is made and entered into by the undersigned parties (the "Inventor(s)"), as of the execution date(s) written below.

本特許出願宣誓書及び譲渡書は、以下記入された署名日において以下署名者(「発明者」)により作成され、締結されたものです。

I/We, the Inventor(s), each declare and agree as follows:

私/我々発明者は、各々以下の通り宣誓し、同意いたします。

1. *Declaration.* I believe that I am the original sole inventor, or an original joint inventor, of at least one invention that is disclosed and claimed in the United States Patent Application identified below (the "Application"):

1. 宣誓書 私が、以下の通り特定される米国特許出願(「本件出願」)に開示され請求項に記載された少なくともひとつの発明の本来の単独発明者または本来の共同発明者であると私は信じています。

Title (名称):

TENSIONER



The Application Attached Hereto (ここに添付される本件出願)



U.S. App. Serial No. or International Application No. (米国出願番号または
PCT 国際出願番号) _____, filed on (出願日) _____

The Application was made, or authorized to be made, by me. I hereby acknowledge that any willful false statement made in the above declaration is punishable under 18 U.S.C. 1001 by fine, by imprisonment of not more than five (5) years, or both.

本件出願は、私が作成した、または私が作成を許可したものです。私は、上の宣誓において故意に虚偽の供述を行った場合、18 U.S.C. 1001に基づき、罰金あるいは5年以下の懲役、または両方による処罰の対象となることを理解しています。

2. *Assignment.* For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound hereby, I do hereby assign and transfer, to the party or parties identified below by name and address (the "Assignee(s)"), all of my right, title and interest, in all countries, in and to (i) the Application, (ii) any and all divisional, continuation, continuation-in-part, reissue or other applications related to the Application or to any patent issued thereon ("Related Applications"), (iii) all inventions and improvements disclosed in the Application and Related Applications, including (without limitation) embodiments not specifically described therein, and (iv) all patents that may be granted on such inventions and improvements, including (without limitation) all patents issued on the Application and Related Applications, to the Assignee(s). The foregoing (i)-(iv) shall be held and enjoyed by the Assignee(s) for the sole use and benefit of the Assignee(s), and the successors and assigns of the Assignee(s), as fully and entirely as the same would have been held by me had this assignment not been made. I request and authorize the Commissioner of Patents and Trademarks to issue any and all United States patents granted on the Application and Related Applications, to the Assignee(s) for the full term thereof, including any extensions. I agree to perform any and all acts reasonably requested by the Assignee(s), at the expense of the Assignee(s), related to securing, maintaining and enforcing such patents.

2. 譲渡書 ここにその受領と十分性を確認する相当の対価を約因として、ここに法的義務を負うことを理解し、私は、すべての国における以下 (i) ~ (iv) に関するすべての権利、権限及び利益を以下に名称及び住所を記載する者(「譲受人」)に対してここに譲渡及び移転します—— (i) 本件出願、(ii) 本件出願または本件出願に対して発行されたすべての特許に係るすべての分割出願、継続出願、一部継続出願、再発行出願、及びその他出願(「関連出願」)、

PATENT

REEL: 055053 FRAME: 0351

(iii) 本件出願及び関連出願に開示された、具体的に記述されていない態様を(制限なしに)含むすべての発明及び改善、並びに(iv) これら発明及び改善について許可され得る、本件出願及び関連出願について発行されたすべての特許を(制限なしに)含むすべての特許。以上(i)~(iv)は、譲受人並びにその後継者及び承継人の独占的な利用と利益のために、本譲渡及び売却がなされなかったとすれば私により保持されたはずのものと同等にまったく完全に譲受人により保持及び享受されます。本件出願及び関連出願に対して許可されるすべての延長期間を含む完全な権利期間を有するすべての米国特許を譲受人に対して発行するよう私は特許商標庁長官に要請及び認可します。これら特許を確保し、維持し、権利行使することに関して、譲受人から合理的に要請されるすべて行為を譲受人の費用にて行うことに私は同意します。

Assignee(s) (譲受人) :

NHK SPRING CO., LTD.
10, Fukuura 3-chome, Kanazawa-ku, Yokohama-shi, Kanagawa, 236-0004 Japan
DAIDO KOGYO CO., LTD.
1-197, Kumasaka-machi, Kaga-shi, Ishikawa 922-8686 Japan

I/We, the Inventor(s) acknowledge that I/we have been advised and given opportunity to seek separate legal counsel regarding this Declaration and Assignment for Patent Application. Additionally, I/We, the Inventor(s) hereby authorize and request the attorney(s) of record in the Application to insert the application number and filing date of the Application in paragraph 1., above, if they determine that such alteration would facilitate successful filing of this Declaration and Assignment for Patent Application with the United States Patent and Trademark Office. Such alteration may be made after execution.

私/我々発明者は、特許出願のための本宣誓書及び譲渡書に関して別途の法律相談を求めることについて、忠告され、機会を与えられていることを理解しています。さらに、特許出願の宣誓書及び譲渡書の適式での確な米国特許商標庁への提出に寄与すると本件出願の代理人が判断した場合には、私/我々発明者は、本件出願の出願番号及び出願日を上記段落 1. に記入することを本件出願の代理人に許可及び要請します。この変更は私/我々の署名後になされ得るものと理解しています。

STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 C.F.R. 1.69(B):

The Japanese portions of this Declaration and Assignment for Patent Application are an accurate translation of the corresponding English portions of this Declaration and Assignment for Patent Application.

By: /shuichi shitara/ Date: 2017-7-12
SHUICHI SHITARA

AGREED AND ACCEPTED:

同意し受諾します。

INVENTOR (発明者)

Signature (署名): Yoshio Yamada Date (日付): Jan 21, 2021

Printed Name (氏名): Yoshio YAMADA

INVENTOR (発明者)

Signature (署名): Takao Kobayashi Date (日付): 19/1/2021

Printed Name (氏名): Takao KOBAYASHI

INVENTOR (発明者)

Signature (署名): Kazuhito Hiraoka Date (日付): 19/1/2021

Printed Name (氏名): Kazuhito HIRAOKA

INVENTOR (発明者)

Signature (署名): S. Takahashi Date (日付): Jan. 21, 2021

Printed Name (氏名): Shuji TAKAHASHI

INVENTOR (発明者)

Signature (署名): _____ Date (日付): _____

Printed Name (氏名): Hideaki SEKI

INVENTOR (発明者)

Signature (署名): _____ Date (日付): _____

Printed Name (氏名): _____

INVENTOR (発明者)

Signature (署名): _____ Date (日付): _____

Printed Name (氏名): _____

INVENTOR (発明者)

Signature (署名): _____ Date (日付): _____

Printed Name (氏名): _____

INVENTOR (発明者)

Signature (署名): _____ Date (日付): _____

Printed Name (氏名): _____

INVENTOR (発明者)

Signature (署名): _____ Date (日付): _____

Printed Name (氏名): _____

INVENTOR (発明者)

Signature (署名): _____ Date (日付): _____

Printed Name (氏名): _____

**DECLARATION AND ASSIGNMENT
FOR PATENT APPLICATION**
特許出願宣誓書及び譲渡書

This Declaration and Assignment for Patent Application is made and entered into by the undersigned parties (the "Inventor(s)"), as of the execution date(s) written below.

本特許出願宣誓書及び譲渡書は、以下記入された署名日において以下署名者(「発明者」)により作成され、締結されたものです。

I/We, the Inventor(s), each declare and agree as follows:

私/我々発明者は、各々以下の通り宣誓し、合意いたします。

1. Declaration. I believe that I am the original sole inventor, or an original joint inventor, of at least one invention that is disclosed and claimed in the United States Patent Application identified below (the "Application"):

1. 宣誓書 私が、以下の通り特定される米国特許出願(「本件出願」)に開示され請求項に記載された少なくともひとつの発明の本来の単独発明者または本来の共同発明者であると私は信じています。

Title (名称):

TENSIONER



The Application Attached Hereto (ここに添付される本件出願)



U.S. App. Serial No. or International Application No. (米国出願番号または
PCT 国際出願番号) _____, filed on (出願日) _____

The Application was made, or authorized to be made, by me. I hereby acknowledge that any willful false statement made in the above declaration is punishable under 18 U.S.C. 1001 by fine, by imprisonment of not more than five (5) years, or both.

本件出願は、私が作成した、または私が作成を許可したものです。私は、上の宣誓において故意に虚偽の供述を行った場合、18 U.S.C. 1001 に基づき、罰金あるいは5年以下の懲役、または両方による処罰の対象となることを理解しています。

2. Assignment. For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound hereby, I do hereby assign and transfer, to the party or parties identified below by name and address (the "Assignee(s)"), all of my right, title and interest, in all countries, in and to (i) the Application, (ii) any and all divisional, continuation, continuation-in-part, reissue or other applications related to the Application or to any patent issued thereon ("Related Applications"), (iii) all inventions and improvements disclosed in the Application and Related Applications, including (without limitation) embodiments not specifically described therein, and (iv) all patents that may be granted on such inventions and improvements, including (without limitation) all patents issued on the Application and Related Applications, to the Assignee(s). The foregoing (i)-(iv) shall be held and enjoyed by the Assignee(s) for the sole use and benefit of the Assignee(s), and the successors and assigns of the Assignee(s), as fully and entirely as the same would have been held by me had this assignment not been made. I request and authorize the Commissioner of Patents and Trademarks to issue any and all United States patents granted on the Application and Related Applications, to the Assignee(s) for the full term thereof, including any extensions. I agree to perform any and all acts reasonably requested by the Assignee(s), at the expense of the Assignee(s), related to securing, maintaining and enforcing such patents.

2. 譲渡書 ここにその受領と十分性を確認する相当の対価を約因として、ここに法的義務を負うことを理解し、私は、すべての国における以下 (i) ~ (iv) に関するすべての権利、権限及び利益を以下に名称及び住所を記載する者(「譲受人」)に対してここに譲渡及び移転します—— (i) 本件出願、(ii) 本件出願または本件出願に対して発行されたすべての特許に係るすべての分割出願、継続出願、一部継続出願、再発行出願、及びその他出願(「関連出願」)、

(iii) 本件出願及び関連出願に開示された、具体的に記述されていない態様を（制限なしに）含むすべての発明及び改善、並びに (iv) これら発明及び改善について許可され得る、本件出願及び関連出願について発行されたすべての特許を（制限なしに）含むすべての特許。以上 (i) ~ (iv) は、譲受人並びにその後継者及び承継人の独占的な利用と利益のために、本譲渡及び売却がなされなかったとすれば私により保持されたはずのものと同等にまったく完全に譲受人により保持及び享受されます。本件出願及び関連出願に対して許可されるすべての延長期間を含む完全な権利期間を有するすべての米国特許を譲受人に対して発行するよう私は特許商標庁長官に要請及び認可します。これら特許を確保し、維持し、権利行使することに関して、譲受人から合理的に要請されるすべて行為を譲受人の費用にて行うことに私は同意します。

Assignee(s) (譲受人) :

NHK SPRING CO., LTD.
10, Fukuura 3-chome, Kanazawa-ku, Yokohama-shi, Kanagawa, 236-0004 Japan

DAIDO KOGYO CO., LTD.
I-197, Kumasaka-machi, Kaga-shi, Ishikawa 922-8686 Japan

I/We, the Inventor(s) acknowledge that I/we have been advised and given opportunity to seek separate legal counsel regarding this Declaration and Assignment for Patent Application. Additionally, I/We, the Inventor(s) hereby authorize and request the attorney(s) of record in the Application to insert the application number and filing date of the Application in paragraph I., above, if they determine that such alteration would facilitate successful filing of this Declaration and Assignment for Patent Application with the United States Patent and Trademark Office. Such alteration may be made after execution.

私/我々発明者は、特許出願のための本宣誓書及び譲渡書に関して別途の法律相談を求めることについて、忠告され、機会を与えられていることを理解しています。さらに、特許出願の宣誓書及び譲渡書の適式で的確な米国特許商標庁への提出に寄与すると本件出願の代理人が判断した場合には、私/我々発明者は、本件出願の出願番号及び出願日を上記段落 1. に記入することを本件出願の代理人に許可及び要請します。この変更は私/我々の署名後になされ得るものと理解しています。

STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 C.F.R. 1.69(B):

The Japanese portions of this Declaration and Assignment for Patent Application are an accurate translation of the corresponding English portions of this Declaration and Assignment for Patent Application.

By: /shuichi shitara/ Date: 2017-7-12
SHUICHI SHITARA

AGREED AND ACCEPTED:

同意し受諾します。

INVENTOR (発明者)

Signature (署名) : _____ Date (日付) : _____

Printed Name (氏名) : Yoshio YAMADA

INVENTOR (発明者)

Signature (署名) : _____ Date (日付) : _____

Printed Name (氏名) : Takao KOBAYASHI

INVENTOR (発明者)

Signature (署名) : _____ Date (日付) : _____

Printed Name (氏名) : Kazuhiro HIRAOKA

INVENTOR (発明者)

Signature (署名): _____ Date (日付): _____

Printed Name (氏名): Shuji TAKAHASHI

INVENTOR (発明者)

Signature (署名): Hideaki Seki Date (日付): Jan, 20, 2021

Printed Name (氏名): Hideaki SEKI

INVENTOR (発明者)

Signature (署名): _____ Date (日付): _____

Printed Name (氏名): _____

INVENTOR (発明者)

Signature (署名): _____ Date (日付): _____

Printed Name (氏名): _____

INVENTOR (発明者)

Signature (署名): _____ Date (日付): _____

Printed Name (氏名): _____

INVENTOR (発明者)

Signature (署名): _____ Date (日付): _____

Printed Name (氏名): _____

INVENTOR (発明者)

Signature (署名): _____ Date (日付): _____

Printed Name (氏名): _____

INVENTOR (発明者)

Signature (署名): _____ Date (日付): _____

Printed Name (氏名): _____