505243230 12/18/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5290009

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ			
		Name	Execution Date	
RINTARO KITAHARA			11/06/2018	
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State/Country:	JAPAN			
Postal Code:	135-8512			
Property Type		Number		
	160	10140		
	162	08142		
Application Number:		08142		
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NAME OF SUBMITTER:	YUICHI WATANABE	
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DECLARATION REGARDING VERIFICATION OF TRANSLATION

I, Yuichi Watanabe, at Osha Liang LLP, located at 909 Fannin St., Suite 3500, Houston, TX 77010, hereby declare as follows:

- (1) I am fluent in both Japanese and English languages; and
- (2) To the best of my knowledge and belief, the English language translation of the Japanese language declaration contained within the Declaration form, a copy of which is attached hereto, is a true and correct translation.

funllar By: Date:

PATENT REEL: 047951 FRAME: 0943

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Intellectual Property Law	
	宣誓書及び譲渡証ー全世界
DECLAR	ATION AND ASSIGNMENT - WORLDWIDE

本証末尾に署名した者(以下、「発明者」という)は次の出願にかかる発明を行った。 Whereas, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") has/have invented:

米国出願として出願されるか、若しくは PCT 国際出願である添付の出願、又は、
X The attached application to be filed as a United States application or PCT international application, or

米国出願、若しくは_____(日付)に出願された PCT 国際出願番号 _として出願されているものであって、次の名称を有するもの。

DEVICE, AND OPTICAL RESONATOR

その出願に関し、各発明者は次のことを宣言する。 Regarding that application, each of the INVENTOR(S) declares the following:

上記の出願は私自身、又は私が権限を授与したものによって行われた。

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

私は本出顧書に記載された本来の発明者、又は本来の共同発明者である。

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

・ 本宣誓書において故意に虚偽の申し立てを行った場合は 18 U.S.C. 1001 により、罰金あるいは最高五(5)年の禁国刑、あるいはその両方による罰則の対象となることを認める。

• 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 five (5) years, or both.

「発明者」は、適正・相当な対価を受領しており、それが十分な対価であることを認めた上で、 For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the INVENTOR(S) hereby assign, transfer, and set over to: (氏名または組織名) **22511**

Fujikura Ltd.

22511 PATENT TRADEMARK OFFICE

having the following address: (住所)

5-1, Kiba 1-chome, Koto-ku, Tokyo 135-8512, Japan

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legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

> さらに、「発明者」は以下のことに同意する。 In addition, the undersigned INVENTOR(S) each hereby agrees:

- 米国においてなされた「発明」に対する特許に関する全ての出願との関連において、必要とされ、望ましく、合法で、且つ、適切な書面であって、上記出願、分割、継続、一部継続、これらの補正、これらに関する抵触手続き、又は、「会社」の権利を保護する為に必要な又は望ましいものを含む、全ての書面に、 制限なく署名すること。
- 2. To sign and execute any further documents that may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
- 全ての書面に署名し、優先権の主張に関連する、又は工業所有権の保護に関する国際条約若しくはこれに類似の条約或いは協定の下、合法で且つ適切な行為をすること。
- To execute all papers and documents and to perform all lawful acts that may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
- (会社)に対し有効で且つ行使可能な特許が付与される為に必要であると認められる 合法的行為を積極的に行うこと。
- To perform all lawful affirmative acts that may be necessary to obtain the grant of valid and enforceable patents to COMPANY.

「発明者」の各人は、分割、継続、一部継続、又は再発行を含む上記出願に基づく如何なる、そして全ての特許証が「会社」対して発行されるよう、米国特許商標庁長官に権限を認め、要請する。

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

本証末尾に署名した「発明者」は、各々、本証の登記にあたり米国特許商標庁の規則 に従い、必要な、又は望ましい識別情報を本議渡証に挿入する権限をオーシャ リャン LLP(OSHA・ LIANGLLP)に与える。

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA *LIANG LLP the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

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以上の証として、この譲渡証は本証末尾に署名した各人により、各署名の左欄に記さ れた日に執行された。

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

第一発明者の署名 I^{**} Inventor Signature:

日付 Date

氏名 Print or Type Name:

Rintaro KITAHARA

RENTAVO

kita hava

第二発明者の署名 2nd Inventor Signature:

日付 Date

氏名 Print or Type Name:

<u>Hidenori Miyanchi</u>

Hidenori MIYAUCHI

U.S. Patent Application No. 16/208,142 Filing Date: December 3, 2018

RECORDED: 12/18/2018