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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6278223

	NEW ASSIGNMENT			
NATURE OF CONVEYA	OF CONVEYANCE: ASSIGNMENT			
CONVEYING PARTY D	ΑΤΑ			
		Name E	xecution Date	
HIROAKI TSUSHIMA	06/30/2020			
SATOSHI TANAKA 06/25/2020			/25/2020	
YOUSUKE FUJIMAKI		06/	/25/2020	
TAKESHI ASAYAMA		07/	/02/2020	
OSAMU WAKABAYASH		07/	/06/2020	
RECEIVING PARTY DA	ТА			
Name:	GIGAP	HOTON INC.		
Street Address:	400, O	AZA YOKOKURASHINDEN, OYAMA-SHI		
City:	тосні	GI		
State/Country:	JAPAN	JAPAN		
Postal Code:	3238558			
PROPERTY NUMBERS	Total: 1	Number and States		
Property Type	Total: 1	Number		
	Total: 1	Number 17009160		
Property Type Application Number:				
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Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	ATA e sent to provideo	17009160 (703)390-1277 o the e-mail address first; if that is unsuccessful, it i if that is unsuccessful, it will be sent via US Mail. (703)390-9051 info@sbpatentlaw.com STUDEBAKER & BRACKETT PC 8255 GREENSBORO DRIVE SUITE 300 TYSONS, VIRGINIA 22102 015000-GP0157 TIM L. BRACKETT, JR.	will be sent	

Total Attachments: 10
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COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

米国特許用の宣言書(米国特許規則第1.63条)付き譲渡書

Title of Invention (発明の名称): LASER GAS REGENERATING APPARATUS AND ELECTRONIC DEVICE MANUFACTURING METHOD	
私は、以下に記名された発明者として、ここに下記の通 り宣言する:	As a below named inventor, I hereby declare that:
本宣言書付き譲渡書は、以下の出願に対するものである:	This combined declaration and assignment is directed to:
 	☑ The attached application, or ☐ United States application or PCT international application number filed on
上記出願書 (明細書及び図面) は、私が作成したもの か、あるいは私がその作成を許可したものである。	The above-identified application was made or authorized to be made by me.
私は、本米国出願の請求範囲で記載された発明に対 する原発明者であるか、或いは、原共同発明者であ ると信じている。	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
私は、ここでの宣誓または陳述において故意に偽り を述べた場合、合衆国法典第18巻第1001条に基づ き、罰金あるいは5年以下の懲役、または、両方の 懲罰を受けることを認識している。	I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fin- or imprisonment of not more than five (5) years, or both.
下記に署名した者(以下、"譲渡人")は、上記で 特定される出願書類の中に記載されたいくつかの 改良について発明を行ったものである。	WHEREAS the undersigned, also referred to hereinafter as the assignor, has invented a certain improvement relating to the above identified application.
<u>〒323-8558 日本国栃木県小山市大字横倉新田400</u> <u>番地のギガフォトン株式会社</u> (譲受人)は、 本出願および当該出願を基とした分割出願、継続出 願に対するすべての権利、権原、および利益、なら びに当該出願および発明に対して得られる米国特 許の取得を希望しているため、	AND WHEREAS <u>Gigaphoton Inc.</u> of <u>400, Oaza</u> <u>Yokokurashinden, Oyama-shi, Tochigi 3238558 JAPAN</u> hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor,



Gigaphoton's Ref. GP2018-014US01

ここに、譲渡人は、譲受人への譲渡に関し、相当の 対価を受けることを確認し、当該譲渡人は、本宣言 書により当該譲受人、その後継者および継承人に対 して、以下のすべてを売却、譲渡および移転します。 すべての分割出願および継続出願を含めて、アメリ カ合衆国で開示された本出願および本発明に対す る権利、権原および利益、ならびに同出願および発 明に対して交付された米国特許証およびすべての 再発行(米国特許法第119条に基づく優先権主張 の権利を含む)に対する全ての権利、権原および利 益。

また米国特許商標局長官に対して、本出願で記述された発明に対して交付された特許証を当該譲受人、 その後継者および継承人に対し発行するよう要請 し、また追加の対価を受けることなく、譲受人の要 求に応じて、米国出願に関連して譲受人が必要とみ なすすべての書類に署名を行います。

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NOW, therefore, for good and valuable consideration from said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including any and all divisions and continuations thereof, and any and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 USC §119, said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue any Letters Patent granted upon the invention set forth in the application to the assignee, it's successors and assigns, said assignor will execute without further consideration all papers deemed necessary by the assignee, it's successors or assigns, in connection with the United States application when called upon to do so by the assignee.

The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR 1.69(b):

The Combined Declaration and Assignment of Application for United States Letters Patent is an accurate translation of the corresponding English language Combined Declaration and Assignment of Application for United States Letters Patent.

Signature:

Kin Hquki

Date: 06-01-2014

発明者氏名/ Legal Name of Inventor Hiroaki TSUSHIMA		
発明者の署名/ Signature Hiroaki Tsushima	June, 30,	2020



Gigaphoton's Ref. GP2018-014US01

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Gigaphoton's Ref. GP2018-014US01

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Signature:

Kin (tgihi

Date: 06-01-2014

発明者氏名/ Legal Name of Inventor Satoshi TANAKA	
発明者の署名/ Signature	B付/Date
Satosh: Tomaka	June, 25, 2020



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<u>〒323-8558 日本国栃木県小山市大字横倉新田400</u> <u>番地の</u> <u>ギガフォトン株式会社</u> (譲受人)は、 本出願および当該出願を基とした分割出願、継続出 願に対するすべての権利、権原、および利益、なら びに当該出願および発明に対して得られる米国特 許の取得を希望しているため、	AND WHEREAS <u>Gigaphoton Inc.</u> of <u>400, Oaza</u> <u>Yokokurashinden, Ovama-shi, Tochigi 3238558 JAPAN</u> , hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor,

Page 1 of 2



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Signature:

Kin Itgiti

Date: 06-01-2014

発明者氏名/ Legal Name of Inventor Yousuke FUJIMAKI	
発明者の署名/ Signature	日付/ Date
Cousuke tujimaki	June, 25, 2020



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5宣言書付き譲渡書は、以下の出願に対するものである:	This combined declaration and assignment is directed to:
添付された出願、あるいは、 米国出願番号またはPOT国際出願番号は、 であり、且つ の日に出願された出願(該当する場合)	☑ The attached application, or ☑ United States application or PCT international application number filed on
- 記出願書 (明細書及び図面) は、私が作成したもの ヽ、あるいは私がその作成を許可したものである。	The above-identified application was made or authorized to be made by me.
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は、ここでの宣誓または陳述において故意に偽り 述べた場合、合衆国法典第18巻第1001条に基づ 、罰金あるいは5年以下の懲役、または、両方の ※罰を受けることを認識している。	I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fir or imprisonment of not more than five (5) years, or both.
「記に署名した者(以下、"譲渡人")は、上記で 定される出願書類の中に記載されたいくつかの (良について発明を行ったものである。	WHEREAS the undersigned, also referred to hereinafter as the assignor, has invented a certain improvement relating to the above identified application.
<u>323-8558 日本国栃木県小山市大字横倉新田400</u> 地の <u>ギガフォトン株式会社</u> (譲受人)は、 出願および当該出願を基とした分割出願、継続出 に対するすべての権利、権原、および利益、なら に当該出願および発明に対して得られる米国特 の取得を希望しているため、	AND WHEREAS <u>Gigaphoton Inc.</u> of <u>400, Oaza</u> <u>Yokokurashinden, Ovama-shi, Tochigi 3238558 JAPAN</u> hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to sai application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor,



Gigaphoton's Ref. GP2018-014US01

ここに、譲渡人は、譲受人への譲渡に関し、相当の 対価を受けることを確認し、当該譲渡人は、本宣言 書により当該譲受人、その後継者および継承人に対 して、以下のすべてを売却、譲渡および移転します。 すべての分割出願および継続出願を含めて、アメリ カ合衆国で開示された本出願および本発明に対す る権利、権原および利益、ならびに同出願および発 明に対して交付された米国特許証およびすべての 再発行(米国特許法第119条に基づく優先権主張 の権利を含む)に対する全ての権利、権原および利 益。

また米国特許商標局長官に対して、本出願で記述さ れた発明に対して交付された特許証を当該譲受人、 その後継者および継承人に対し発行するよう要請 し、また追加の対価を受けることなく、譲受人の要 求に応じて、米国出願に関連して譲受人が必要とみ なすすべての書類に署名を行います。

下記に署名したものは、この書類の記録に関し米国 特許商標局の規則を遵守するために必要または望 ましい場合には、STUDEBAKER & BRACKETT PC法律事 務所に本宣言書付き譲渡書の譲渡書の部分に必要 事項を加える権限を許諾します。

NOW, therefore, for good and valuable consideration from said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including any and all divisions and continuations thereof, and any and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 USC §119, said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue any Letters Patent granted upon the invention set forth in the application to the assignee, it's successors and assigns, said assignor will execute without further consideration all papers deemed necessary by the assignee, it's successors or assigns, in connection with the United States application when called upon to do so by the assignee.

The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR 1.69(b):

The Combined Declaration and Assignment of Application for United States Letters Patent is an accurate translation of the corresponding English language Combined Declaration and Assignment of Application for United States Letters Patent.

Signature:

Kin Itquiti

Date: 06-01-2014

発明者氏名/ Legal Name of Inventor Takeshi ASAYAMA 発明者の署名/ Signature 日付/ Date Talceshi Asayama July, 2, 2020

Page 2 of 2



COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

米国特許用の宣言書(米国特許規則第1.63条)付き譲渡書

Title of Invention (発明の名称): LASER GAS REGENERATING APPARATUS AND ELECTRONIC DEVICE MANUFACTURING METHOD	
As a below named inventor, I hereby declare that:	
This combined declaration and assignment is directed to:	
☑ The attached application, or ☐ United States application or PCT international application number filed on	
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 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.	
WHEREAS the undersigned, also referred to hereinafter as the assignor, has invented a certain improvement relating to the above identified application.	
AND WHEREAS <u>Gigaphoton Inc.</u> of <u>400, Oaza</u> <u>Yokokurashinden, Oyama-shi, Tochigi 3238558 JAPAN</u> , hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor,	



ここに、譲渡人は、譲受人への譲渡に関し、相当の 対価を受けることを確認し、当該譲渡人は、本宣言 書により当該譲受人、その後継者および継承人に対 して、以下のすべてを売却、譲渡および移転します。 すべての分割出願および継続出願を含めて、アメリ カ合衆国で開示された本出願および本発明に対す る権利、権原および利益、ならびに同出願および発 明に対して交付された米国特許証およびすべての 再発行(米国特許法第119条に基づく優先権主張 の権利を含む)に対する全ての権利、権原および利 益。

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NOW, therefore, for good and valuable consideration from said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including any and all divisions and continuations thereof, and any and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 USC §119, said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue any Letters Patent granted upon the invention set forth in the application to the assignee, it's successors and assigns, said assignor will execute without further consideration all papers deemed necessary by the assignee, it's successors or assigns, in connection with the United States application when called upon to do so by the assignee.

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Signature:

Kin Itquiti

Date: 06-01-2014

発明者氏名/ Legal Name of Inventor Osamu WAKABAYASHI 発明者の署名/ Signature 日付/ Date Wakabayashi 2020 0samu July 6,

PATENT REEL: 053659 FRAME: 0811

RECORDED: 09/01/2020