PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KASUMI NAKAMURA	03/19/2020
YOHEI TAKANO	03/16/2020
TATSUYA TAKAHASHI	03/27/2020
MAKOTO HIRAKAWA	03/23/2020

RECEIVING PARTY DATA

Name:	RICOH COMPANY, LTD.
Street Address:	3-6, NAKAMAGOME 1-CHOME
Internal Address:	OHTA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	143-8555

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16823340

CORRESPONDENCE DATA

Fax Number:

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: 5713766333

Email: anaquadocketing@Xsensus.com

Correspondent Name: XSENSUS LLP

Address Line 1: 200 DAINGERFIELD ROAD

Address Line 2: SUITE 201

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	14054US01
NAME OF SUBMITTER:	CHRISTINE GRIMES
SIGNATURE:	/Christine Grimes/
DATE SIGNED:	04/08/2020

Total Attachments: 4

PATENT REEL: 052341 FRAME: 0384

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Title of LIGHT SOURCE DEVICE, IMAGE PROJECTION APPARATUS, LIGHT
Invention SOURCE OPTICAL SYSTEM
As the below named inventor, I hereby declare that:
This declaration The attached application, or
is directed to: United States application or PCT international application number
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.
WHEREAS, Ricoh Company, Ltd.,
(hereinafter referred to as "ASSIGNEE") having places of business at: 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, Japan, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;
NOW, THEREFORE, for good, valuable, and adequate consideration, the receipt of which is hereby acknowledged, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.
Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.
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. LEGAL NAME OF INVENTOR
March 19 2020
Inventor: KASUMI NAKAMURA Date: March 19, 2020
Signature: / Kasumi Nakamura /

XSENSUS LLP ATTORNEYS AT LAW 200 DAINGERFIELD ROAD, SUITE 201 Alexandria, VA 22314

		OJECTION APPARATUS, LIGHT
Invention SOURCE	OPTICAL SYSTEM	
As the below named inventor,	I hereby declare that:	
This declaration \(\sum \) The attac	hed application, or	
	tates application or PCT internations	
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and all foreign countries to iss of my entire right, title and int and assigns, to the full end of	ue any and all of said Letters Patent erest in and to the same, for the sole	United States and its territorial possessions and any when granted, to said ASSIGNEE as the assignee a use and behoof of said ASSIGNEE, its successors in the may be granted, as fully and entirely as the same on made.
said invention, and testify in substitute, renewal and reissue Patent to be issued to said A ASSIGNEE, its successors and	any legal proceeding, sign all la applications, execute all necessary as SSIGNEE, make all rightful oaths,	ts representatives any facts known to me respecting wful papers, execute all divisional, continuation, ssignment papers to cause any and all of said Letters and, generally do everything possible to aid said wer protection for said invention in the United States
	t more than five (5) years, or both.	this declaration is punishable under 18 U.S.C. 1001
ENGLED INDIANTS OF HINARDING	JAX.	, , , , , , , , , , , , , , , , , , , ,
Inventor: YOHEI TAKANO		Date:
Signature: / YOHE! TAK	'ANO	/

XSENSUS LLP ATTORNEYS AT LAW 200 DAINGERFIELD ROAD, SUITE 201 Alexandria, VA 22314

	LIGHT SOURCE DEVICE, IMAGE PROJECTION APPARATUS, LIGHT
Invention	SOURCE OPTICAL SYSTEM
	d inventor, I hereby declare that:
This declaration	The attached application, or
is directed to:	United States application or PCT international application number
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I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.
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I, by these presents in the United State under the terms of aforesaid application therefor in the Unit	ORE, for good, valuable, and adequate consideration, the receipt of which is hereby acknowledged, do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention is and its territorial possessions and in all foreign countries (including the right to claim priority the International Convention and other relevant International Treaties and Arrangements from the in) and the entire right, title and interest in and to any and all Letters Patent which may be granted ed States and its territorial possessions and in any and all foreign countries and in and to any and as, continuations, substitutions and renewals thereof.
and all foreign cour of my entire right, t and assigns, to the	te and request the Patent Office Officials in the United States and its territorial possessions and any ntries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee litle and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors full end of the term for which said Letters Patent may be granted, as fully and entirely as the same all by me had this Assignment and sale not been made.
said invention, and substitute, renewal a Patent to be issued ASSIGNEE, its suc	that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting I testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, and reissue applications, execute all necessary assignment papers to cause any and all of said Letters to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said cessors and assigns, to obtain and enforce proper protection for said invention in the United States assessions and in any and all foreign countries.
by fine or imprison	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
LEGAL NAME OF	INVENTOR
Inventor: TATSUY	A TAKAHASHI Date: Wink 27 , 1020
Signature: <u>Tats</u>	Ma Takahashi

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Title of LIGHT SOURCE DEVICE, IMAGE PROJECTION APPARATUS, LIGHT Invention SOURCE OPTICAL SYSTEM
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As the below named inventor, I hereby declare that:
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is directed to: United States application or PCT international application number
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.
WHEREAS, Ricoh Company, Ltd.,
(hereinafter referred to as "ASSIGNEE") having places of business at: 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, Japan, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;
NOW, THEREFORE, for good, valuable, and adequate consideration, the receipt of which is hereby acknowledged, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.
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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.
LEGAL NAME OF INVENTOR
Inventor: MAKOTO HIRAKAWA Date: March 23, 2020
Signature: / MAKOTO HIRAKAWA /

XSENSUS LLP ATTORNEYS AT LAW 200 DAINGERFIELD ROAD, SUITE 201 Alexandria, VA 22314

RECORDED: 04/08/2020