503932866 07/27/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3979520

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKATOSHI NAKATA	07/12/2016
TOMOO NISHINO	07/12/2016
MIZUKI SUZUMURA	07/12/2016
HIDETOSHI UMEDA	07/12/2016
TADASHI YOKOTA	07/12/2016

RECEIVING PARTY DATA

Name:	KYOCERA CORPORATION
Street Address:	6, TAKEDA TOBADONO-CHO, FUSHIMI-KU, KYOTO-SHI
City:	куото
State/Country:	JAPAN
Postal Code:	612-8501

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15114418

CORRESPONDENCE DATA

Fax Number: (703)390-1277

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: 703 390 9051

Email: info@sbpatentlaw.com

Correspondent Name: STUDEBAKER & BRACKETT PC Address Line 1: 12700 SUNRISE VALLEY DRIVE

Address Line 2: SUITE 102

Address Line 4: RESTON, VIRGINIA 20191

ATTORNEY DOCKET NUMBER:	005000-K00239	
NAME OF SUBMITTER:	TIM L. BRACKETT, JR.	
SIGNATURE:	/Tim L. Brackett, Jr./	
DATE SIGNED:	07/27/2016	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT 503932866 REEL: 039265 FRAME: 0424

Total Attachments: 10 source=Dec_Assignment#page1.tif source=Dec_Assignment#page2.tif source=Dec_Assignment#page3.tif source=Dec_Assignment#page4.tif source=Dec_Assignment#page5.tif source=Dec_Assignment#page6.tif source=Dec_Assignment#page7.tif source=Dec_Assignment#page8.tif source=Dec_Assignment#page9.tif source=Dec_Assignment#page9.tif source=Dec_Assignment#page10.tif

PATENT REEL: 039265 FRAME: 0425



Title of Invention: IMAGING APPARATUS, CAMERA SYSTEM AND SIGNAL OUTPUT 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:
本宣言書は、以下の出願に対するものである:	This declaration is directed to:
□ 添付された出願、あるいは、 □ 米国出願番号またはPCT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
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. STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR 1.69(b):
	The Declaration and Assignment for Patent and Design Applications is an accurate translation of the corresponding English language Declaration and Assignment for Patent and Design Applications Signature: Date: 11/15/2012



WHEREAS the undersigned, hereinafter referred to as the assignor, has invented a certain improvement relating to the above identified application.

The inventor declaration for said application	is combined nerewith.
[X] said application to be filed in the United	States Patent and Trademark Office;
authorization being hereby given to the pract	United States Patent and Trademark Office on,
[] said application having been filed under t Serial No, the	he Patent Cooperation Treaty on, as e United States of America being designated.
Kyoto 612-8501 JAPAN, hereinafter referred and interest in and to said application, inclusion.	*ORATION of 6, Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi, d to as the assignee, is desirous of acquiring the entire right, title ding any and all divisions and continuations thereof, and in and to may be granted therefor, including any and all renewals, reissues
paid by said assignee to said assignor, the assigns, sells and transfers to said assigned exclusive right, title and interest in and to said thereof, and in and to said invention and any all renewals, reissues and prolongations the to have, hold, exercise and enjoy the said apand the said invention and any and all pater reissues and prolongations thereof, with all from or appertaining thereto, for and during including any and all renewals, reissues and	of One Dollar (\$1.00), and other good and valuable consideration receipt of which is hereby acknowledged, said assignor hereby e, and said assignee's successors and assigns, the full and aid application, including any and all divisions and continuations y and all patents which may be granted therefor, including any and areof; said assignee, and said assignee's successors and assigns, oplication, including any and all divisions and continuations thereof, into which may be granted therefor, including any and all renewals, the rights, powers, privileges and advantages in anywise arising the term or terms of any and all such patents when granted, diprotongations thereof, for the use and benefit of said assignee, s, in as ample and beneficial a manner as the said assignor might of this assignment had not been made.
AND said assignor hereby agrees to successors or assigns, any and all acts relating any and all renewals, reissues and prolonger	o perform, upon the request of said assignee, or said assignee's ting to the obtaining or to the asserting of said patents, including ations thereof.
AND said assignor authorizes and the Letters Patent on said application, and on a said assignee's successors and assigns, in	requests the Commissioner of Patents and Trademarks to issue ny and all divisions and continuations thereof, to said assignee, and accordance herewith.
on the Assignment portion of this combined be necessary or desirable in order to compl recordation of this document.	law firm of STUDEBAKER & BRACKETT PC the power to insert Declaration and Assignment any further Identification which may by with the rules of the U.S. Patent and Trademark Office for
This combined Declaration and Assopposite the undersigned name.	signment has been executed by the undersigned on the date
発明者氏名/ Legal Name of Inventor	
-	NAKATA, Takatoshi
発明者の署名/ Signature	日付/ Date
منتقد المدار المستعمل المراسلينية	July 12, 2016



Title of Invention: IMAGING APPARATUS, CAMERA SYSTEM AND S	SIGNAL OUTPUT 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:
本宣言書は、以下の出願に対するものである:	This declaration is directed to:
□ 添付された出願、あるいは、□ 米国出願番号またはPCT国際出願番号は、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
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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.
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	Signature:
	Date: <u>11/15/2012</u>



WHEREAS the undersigned, hereinafter referred to as the assignor, has invented a certain improvement relating to the above identified application.

The inventor declaration for said application is combined herewith.	
[X] said application to be filed in the United States Patent and Trademark Office;	
[] said application having been filed in the United State authorization being hereby given to the practitioners ass CUSTOMER NUMBER 78198, to insert here in parenth application serial number of said application when know	sociated with STUDEBAKER & BRACKETT PC's neses (Application Serial No) the
[] said application having been filed under the Patent C Serial No, the United Sta	ocperation Treaty on, as tes of America being designated.
AND WHEREAS KYOCERA CORPORATION Kyoto 612-8501 JAPAN, hereinafter referred to as the and interest in and to said application, including any and said invention and any and all patents which may be grand prolongations thereof;	d all divisions and continuations thereof, and in and to
NOW, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by 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 full and exclusive 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, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.	
AND said assignor hereby agrees to perform, a successors or assigns, any and all acts relating to the any and all renewals, reissues and prolongations there	upon the request of said assignee, or said assignee's obtaining or to the asserting of said patents, including of.
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.	
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.	
This combined Declaration and Assignment has been executed by the undersigned on the date opposite the undersigned name.	
発明者氏名/ Legal Name of Inventor	
Man Barrier coder results of the Array	NISHINO, Tomoo
発明者の署名/ Signature	日付/ Date
	July 12, 2016



Title of Invention: IMAGING APPARATUS, CAMERA SYSTEM AND SIGNAL OUTPUT 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:
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The inventor declaration for said application is combined herewith.
[X] said application to be filed in the United States Patent and Trademark Office;
[] said application having been filed in the United States Patent and Trademark Office on,authorization being hereby given to the practitioners associated with <u>STUDEBAKER & BRACKETT PC's CUSTOMER NUMBER 78198</u> , to insert here in parentheses (Application Serial No) the application serial number of said application when known;
[] said application having been filed under the Patent Cooperation Treaty on, as Serial No, the United States of America being designated.
AND WHEREAS KYOCERA CORPORATION of 6. Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi, Kyoto 612-8501 JAPAN, 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, including any and all renewals, reissues and prolongations thereof;
NOW, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by 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 full and exclusive 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, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.
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This combined Declaration and Assignment has been executed by the undersigned on the date opposite the undersigned name.
発明者氏名/ Legal Name of Inventor SUZUMURA, Mizuki
発明者の署名/ Signature 日付/ Date
SUZUMURA Mizuki July 12, 2016

Page 2 of 2



SIGNAL OUTPUT METHOD
As a below named inventor, I hereby declare that:
This declaration is directed to:
The attached application, or 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.
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発明者氏名/ Legal Name of Inventor UMEDA, Hidetoshi
元配差の五名/ Signature / / / 日付/ Date

July 12, 2016



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	0,00000
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This combined Declaration and Assignment has been executed by the undersigned on the d opposite the undersigned name.	ate
発明者氏名/ Legal Name of Inventor YOKOTA, Tadashi	<u> </u>
発明者の署名/ Signature 日付/ Date Turk 12 2016	,

Page 2 of 2