# 505440327 04/23/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5487128

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
KAZUO KASAHARA	04/03/2019
ISAO MATSUMOTO	04/01/2019
RIE TANAKA	03/29/2019
MASAYA TAMURA	04/22/2019
NORIYUKI OHKURA	03/29/2019
JUNSEI HORII	04/03/2019
SHINTARO MURAOKA	03/22/2019

## **RECEIVING PARTY DATA**

Name:	KONICA MINOLTA, INC.
Street Address:	2-7-2 MARUNOUCHI
Internal Address:	CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-7015

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16391025

### **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:** 2123194900

Email: tmcdonald@hhpatent.com

Correspondent Name: HOLTZ, HOLTZ & VOLEK PC

Address Line 1: 630 NINTH AVE
Address Line 2: SUITE 1010

Address Line 4: NEW YORK, NEW YORK 10036

ATTORNEY DOCKET NUMBER: 19183

NAME OF SUBMITTER: TAYLER MCDONALD

SIGNATURE: /Tayler McDonald/

DATE SIGNED:	04/23/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 7	
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Combined Declaration and Assignment						
Title of Invention	Man to the total the terminal threaten the terminal terminal					
As the below	w named inventor, I he	reby declare that:				
This declars		ttached application, or				
io unostou (	[ ] United	d States application or PCT internation or PCT inte	nal application			
The above-i	dentified application w	as made or authorized to be made by	y me.			
I believe that application.	t I am the original inve	ntor or an original joint inventor of a	claimed invention in the			
2-7-2 Marur referred to a applications reissues, co any and ali i	In consideration of value received, I sell and assign to Konica Minolta, Inc., having a business address at 2-7-2 Marunouchi, Chivoda-ku, Tokyo 100-7015 Japan, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications.					
as the applic	I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee.					
I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all 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						
KAZUO KASAHARA KUTUN KUSAhum 03. Apr. 2019						
Invento	r (printed name)	Signature	Date			

Holtz, Holtz & Volek PC 630 Ninth Avenue, Suite 1010, New York, NY 10036-3708 Tel. (212) 319-4900 Fax. (212) 319-5101

Combined Declaration and Assignment					
Title of Invention					
As the below	w named inventor, I he	reby declar	e that:		
This declara		ttached app	lication, or		
is directed t	[ ] United	States app	lication or PCT internatio	nal application ·	
The above-i	identified application wa	as made or	authorized to be made by	me.	
I believe that application.	at I am the original inve	ntor or an c	riginal joint inventor of a c	laimed invention in the	
2-7-2 Marur referred to a applications reissues, co any and all	In consideration of value received, I sell and assign to Konica Minolta, Inc., having a business address at 2-7-2 Marunouchi, Chiyoda-ku, Tokyo 100-7015 Japan, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications.				
I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee.					
I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all 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					
Isao MATSUMOTO /sao Matsumoto April 1. 2019					
Invento	or (printed name)	Signature Date			

Holtz, Holtz & Volek PC 630 Ninth Avenue, Suite 1010, New York, NY 10036-3708 Tel. (212) 319-4900 Fax. (212) 319-5101

	Combined Declaration and Assignment					
Title of Invention						
As the below	w named inventor, I h	ereby declare that:				
This declara	[F4] (110	attached application, or				
	[ ] Unite numb	d States application or PCT internati perfiled on	onal application			
The above-i	dentified application v	vas made or authorized to be made b	by me.			
I believe tha application.	t I am the original inv	entor or an original joint inventor of a	claimed invention in the			
referred to a applications reissues, cor any and all in	In consideration of value received, I sell and assign to Konica Minolta, Inc., having a business address at 2-7-2 Marunouchi, Chiyoda-ku, Tokyo 100-7015 Japan, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications.					
as the applic	aid Assignee to file ar ant, and I request an said Assignee.	nd prosecute an application or application or application of application of the properties of the prop	ations for patent for said invention ents, to issue any patent on said			
I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.						
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LEGAL NAME OF INVENTOR						
Rie	Rie TANAKA Rie Tanaka March 29, 2019					
Inventor	nventor (printed name) Signature Date					

Holtz, Holtz & Volek PC 630 Ninth Avenue, Suite 1010, New York, NY 10036-3708 Tel. (212) 319-4900 Fax. (212) 319-5101

**PATENT** 

REEL: 048966 FRAME: 0666

	Combined Declaration and Assignment				
Title of Invention	I make a a and a substant of the transfer with the transfer of the transfe				
As the belov	w named inventor, I he	reby declare the	t	77	
This declara		ittached applicat	lon, or		
io un octou t	[ ] United	d States applicat er	ion or PCT internatio	nal application 	
The above-i	dentified application w	as made or auth	orized to be made b	y me.	
I believe that application.	t I am the original inve	intor or an origin	al joint inventor of a	claimed invention in the	
In consideration of value received, I sell and assign to Konica Minolta, Inc., having a business address at 2-7-2 Marunouchi, Chiyoda-ku, Tokyo 100-7015 Japan, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treatles or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications.  I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee.					
I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all 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					
seeM	iya TAMURA	moseya	Tamura	april 22 th. 2019	
Invento	(printed name)	Signature Date			

Holtz, Holtz & Volek PC 630 Ninth Avenue, Suite 1010, New York, NY 10036-3708 Tel. (212) 319-4900 Fax. (212) 319-5101

Combined Declaration and Assignment					
Title of Invention	Interpretation   Inte				
As the below	w named inventor, I he	ereby declare that	•		
This declaration [X] The attached application, or is directed to:					
is directed to	[ ] Unite		on or PCT internationsfiled on		
The above-i	dentified application v	vas made or autho	orized to be made by	me.	
I believe tha application.	t I am the original inve	entor or an origina	al joint inventor of a cla	aimed Invention in the	
In consideration of value received, I sell and assign to Konica Minolta, Inc., having a business address at 2-7-2 Marunouchi, Chiyoda-ku, Tokyo 100-7015 Japan, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications.					
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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					
Noriyuki OHKURA Noriyula Ohkura March 29, 2019					
Inventor	(printed name)	Signature Date			

Holtz, Holtz & Volek PC 630 Ninth Avenue, Suite 1010, New York, NY 10036-3708 Tel. (212) 319-4900 Fax. (212) 319-5101

Combined Declaration and Assignment						
Title of Invention	RADIOGRAPHIC IMAGE ANALYSI	IMAGE ANALYSIS APPARAT S SYSTEM	US AND RADIOGRAPHIC			
As the below	w named inventor, I he	reby declare that:				
	This declaration [X] The attached application, or is directed to:  [ ] United States application or PCT international application number filed on					
The above-i	dentified application w	as made or authorized to be made b	y me.			
I believe that application.	it I am the original inve	ntor or an original joint inventor of a	claimed invention in the			
In consideration of value received, I sell and assign to Konica Minolta, Inc., having a business address at 2-7-2 Marunouchi, Chiyoda-ku, Tokyo 100-7015 Japan, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications.						
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LEGAL NAME OF INVENTOR						
Jui	Junsei HORII Junsei Hovii April 3, 2019					
Inventor (printed name) Signature Date						

Holtz, Holtz & Volek PC 630 Ninth Avenue, Suite 1010, New York, NY 10036-3708 Tel. (212) 319-4900 Fax. (212) 319-5101

Combined Declaration and Assignment					
Title of Invention	The second secon				
As the below	w named inventor, I he	ereby declare that	:		
This declara	[ ]	ttached application	on, or		
io directed (	[] United	d States application	on or PCT internationfiled on	onal application 	
The above-i	dentified application w	as made or autho	orized to be made b	y me.	
I believe that application.	at I am the original inve	ntor or an origina	I joint inventor of a	claimed invention in the	
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LEGAL NAME OF INVENTOR					
Shinta	Shintaro MURAOKA Shintaro Mykaoka March 22, 2019				
Invento	r (printed name)	Signature Date			

Holtz, Holtz & Volek PC 630 Ninth Avenue, Suite 1010, New York, NY 10036-3708 Tel. (212) 319-4900 Fax. (212) 319-5101

> PATENT REEL: 048966 FRAME: 0670

**RECORDED: 04/23/2019**