503407616 07/24/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3454250

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YASUNARI KUTSUNA	06/30/2015
KOUSUKE SAKAUE	03/03/2015
MASASHI YOSHIDA	03/03/2015
SHIGEYUKI ISHII	03/03/2015
SATOSHI IKEDA	03/03/2015
HITOSHI YAMAGATA	03/03/2015
TAKASHI MASUZAWA	03/03/2015
NAOKI SUGIYAMA	06/30/2015
MUNEYASU KAZUNO	06/30/2015
SATOSHI SUGISAWA	06/30/2015
JUNICHI TASHIRO	06/30/2015
MAIKO TEZUKA	06/30/2015
MAKI MINAKUCHI	06/30/2015
YOSUKE YANAGIDA	06/30/2015
JYUNICHI YOSHIDA	06/30/2015

RECEIVING PARTY DATA

Name:	KABUSHIKI KAISHA TOSHIBA
Street Address:	1-1, SHIBAURA 1-CHOME, MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	105-8001
Name:	TOSHIBA MEDICAL SYSTEMS CORPORATION
Name: Street Address:	TOSHIBA MEDICAL SYSTEMS CORPORATION 1385, SHIMOISHIGAMI
Street Address:	1385, SHIMOISHIGAMI

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14672440

PATENT REEL: 036172 FRAME: 0275

503407616

CORRESPONDENCE DATA

Fax Number: (703)413-2220

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) 413-3000

Email: mkassaye@oblon.com

Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	451324US 20X
NAME OF SUBMITTER:	MESFIN KASSAYE
SIGNATURE:	/Mesfin Kassaye/
DATE SIGNED:	07/24/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 15

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Title of Invention MEDICAL IMAGE PROCESSING APPARATUS AND MEDICAL IMAGE PROCESSING SYSTEM
As the below named inventor, I hereby declare that:
This declaration The attached application, or
is directed to: X United States application or PCT international application number 14/672,440 filed on March 30, 2015
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, KABUSHIKI KAISHA TOSHIBA and TOSHIBA MEDICAL SYSTEMS CORPORATION
(hereinafter referred to as "ASSIGNEES") having places of business at: 1-1, Shibaura 1-Chome, Minato-Ku, Tokyo 105-8001 Japan and 1385, Shimoishigami, Otawara-Shi, Tochigi-Ken 324-8550 Japan, respectively are desirous of jointly acquiring interests in 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, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEES, 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 ASSIGNEES as the assignees of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their 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 ASSIGNEES or their 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 ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their 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
Inventor: Yasunari KUTSUNA Date: June 30, 2015
Signature: Yasunari Kutsuna

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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any and all foreign assignees of my en their successors an	ze and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the ntire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a would have been held by me had this Assignment and sale not been made.	
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LEGAL NAME OF	INVENTOR	
Inventor: Kousuk	e SAKAUE Date: Mar , 3 , 2015	
Signature:	Konsuke Sakane	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
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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: Masashi YOSHIDA Date: Mar . 3 20 15
Signature: Mascshi Tochida

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
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MEDICAL IMAGE PROCESSING APPARATUS AND

Title of

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I believe that I am th	e original inventor or a	n original joint inventor of	a claimed invention in the application.
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acknowledged, and said ASSIGNEES, the and in all foreign co- other relevant Internal interest in and to ar	for other good and value full and exclusive riguintries (including the rational Treaties and August and all Letters Pater any and all foreign of	nable consideration, I, by the to the said invention in the ght to claim priority under rangements from the afore at which may be granted the said of the control of the co	LARS (\$5.00), the receipt whereof is hereby nese presents do sell, assign and transfer unto the United States and its territorial possessions the terms of the International Convention and said application) and the entire right, title and herefor in the United States and its territorial my and all divisions, reissues, continuations,
any and all foreign assignees of my ent their successors and	countries to issue any a tire right, title and inter assigns, to the full end	and all of said Letters Pate est in and to the same, for	nited States and its territorial possessions and nt, when granted, to said ASSIGNEES as the the sole use and behoof of said ASSIGNEES, id Letters Patent may be granted, as fully and and sale not been made.
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	edge that any willful fa nent of not more than fi		declaration is punishable under 18 U.S.C. 1001
LEGAL NAME OF	INVENTOR		
Inventor: Shigeyul	d ISHII		Date:
Signature: Shi	geynki Ishij		
			

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

PATENT

REEL: 036172 FRAME: 0280

Title of

Title of Invention	MEDICAL IMAGE PROCESSING APPARATUS AND MEDICAL IMAGE PROCESSING SYSTEM
As the below name	d inventor, I hereby declare that:
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LEGAL NAME OF	INVENTOR
Inventor: Satoshi	IKEDA Date: Mer. 3-2 VS
Signature: Sa	toshi Ikeda

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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LEGAL NAME OF	FINVENTOR
Inventor: Hitoshi	YAMAGATA Date: Mar. 3, 20/5
Signature:	to she Vanerate

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.

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LEGAL NAME OF INVENTOR		
Inventor: Takashi MASUZAWA Date: Mar. 3, 2015		
Signature: Wheele Brigain		

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LEGAL NAME OF INVENTOR
Inventor: Naoki SUGIYAMA Date: June 30. 2015
Signature: Nachi Sugiyama

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Further, I agree that I will communicate to said ASSIGNEES or their representatives any facts known to respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all division continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any all of said Letters Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything ossible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for survention in the United States and its territorial possessions and in any and all foreign countries.	nal, ind ing
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 10 by fine or imprisonment of not more than five (5) years, or both.	01
LEGAL NAME OF INVENTOR	
nventor: Muneyasu KAZUNO Date: June 30, 2015	
Signature:	•

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of Invention	MEDICAL IMAGE PROCESSING APPARATUS AND MEDICAL IMAGE PROCESSING SYSTEM	
As the below name	d inventor, I hereby declare that:	
This declaration	The attached application, or	
is directed to:	United States application or PCT international application number 14/672,440 filed on March 30, 2015	
The above-identifie	d application was made or authorized to be made by me.	
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, KA	BUSHIKI KAISHA TOSHIBA and TOSHIBA MEDICAL SYSTEMS CORPORATION	
105-8001 Japan an jointly acquiring in	d to as "ASSIGNEES") having places of business at: 1-1 , Shibaura 1-Chome, Minato-Ku, Tokyo d 1385, Shimoishigami, Otawara-Shi, Tochigi-Ken 324-8550 Japan, respectively are desirous of terests in the entire right, title and interest in and to said invention and in and to any Letters Patent therefore in the United States and its territorial possessions and in any and all foreign countries;	
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LEGAL NAME OF	INVENTOR	
Inventor: Satoshi	SUGISAWA Date: June 30, 2015	
Signature: Sa	toshi Surisawa	

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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: Maiko TEZUKA Date: June 30, 2015
Signature: Maiko Teguka

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any and all foreign assignees of my en their successors and	ze and request the Patent Office Officials in the United States and its territorial possessions countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES a stire right, title and interest in and to the same, for the sole use and behoof of said ASSIGN d assigns, to the full end of the term for which said Letters Patent may be granted, as fully would have been held by me had this Assignment and sale not been made.	s the EES,
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LEGAL NAME OF	INVENTOR	
Inventor: Maki M	INAKUCHI Date: June 30, 2013	5
Signature: Ma	ki Minakuchi	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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1940 DUKE STREET

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Invention		AGE PROCESSING AGE PROCESSING		AND	
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any and all foreign assignees of my en their successors and	countries to issuntire right, title ar d assigns, to the	e any and all of said and interest in and to	d Letters Patent, the same, for the for which said I	when grante sole use and Letters Paten	d its territorial possessions and d, to said ASSIGNEES as the d behoof of said ASSIGNEES, at may be granted, as fully and en made.
respecting said inv continuation, substiall of said Letters possible to aid said	vention, and test itute, renewal and Patent to be issu d ASSIGNEES,	tify in any legal pr I reissue applications ed to said ASSIGN	roceeding, sign s, execute all ned EES, make all ri l assigns, to obta	all lawful p cessary assign ightful oaths ain and enfo	patives any facts known to me papers, execute all divisional, nament papers to cause any and and, and, generally do everything orce proper protection for said countries.
-	•	illful false statement than five (5) years, o		laration is pu	unishable under 18 U.S.C. 1001
LEGAL NAME OF	INVENTOR				
Inventor: Yosuke	YANAGIDA			Date:	June 30, 2015
Signature:	losuke you	agida			

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LEGAL NAME OF	INVENTOR
Inventor: <u>Jyunich</u>	i YOSHIDA Date: کا مد
Signature:	nichi Y-shida

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 036172 FRAME: 0291

RECORDED: 07/24/2015