502209881 01/28/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Takuya SAKAGUCHI	01/10/2013
Kyojiro NAMBU	01/15/2013
Shingo ABE	01/10/2013
Kunio SHIRAISHI	01/10/2013

RECEIVING PARTY DATA

Name:	KABUSHIKI KAISHA TOSHIBA
Street Address:	1-1, Shibaura 1-chome, Minato-Ku
City:	Tokyo
State/Country:	JAPAN

Name:	Toshiba Medical Systems Corporation
Street Address:	1385, Shimoishigami
City:	Otawara-shi, Tochigi
State/Country:	JAPAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13751728

CORRESPONDENCE DATA

Fax Number: 7034132220

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (703) 413-3000
Email: ehasan@oblon.com
Correspondent Name: Oblon, Spivak, et al.
Address Line 1: 1940 Duke Street

Address Line 4: Alexandria, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 410706US2X PATENT

502209881 REEL: 029705 FRAME: 0219

P \$40.00 1375172

NAME OF SUBMITTER:	Emel Hasan
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 4 source=410706USasn#page1.tif source=410706USasn#page2.tif source=410706USasn#page3.tif source=410706USasn#page4.tif	

PATENT REEL: 029705 FRAME: 0220

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR MULTIPLE ASSIGNEES

Title of Invention	MEDICAL IMAGE PROCESSING APPARATUS, MEDICAL IMAGE PROCESSING METHOD AND X-RAY IMAGING APPARATUS
As the below name	d inventor, I hereby declare that:
This declaration	The attached application, or
	United States application or PCT international application number
	ed 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, Kal	oushiki Kaisha Toshiba and Toshiba Medical Systems Corporation
Japan and 1385, Sl	d to as "ASSIGNEES") having places of business at: 1-1 , Shibaura 1-chome, Minato-ku, Tokyo, himoishigami, Otawara-shi, Tochigi, Japan, respectively are desirous of jointly acquiring interests title and interest in and to said invention and in and to any Letters Patent that may be granted ited States and its territorial possessions and in any and all foreign countries;
acknowledged, and said ASSIGNEES and in all foreign other relevant Interinterest in and to possessions and it substitutions are said as a substitution and it substitutions are said as a substitution are said as a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby d for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and rnational Treaties and Arrangements from the aforesaid application) and the entire right, title and any and all Letters Patent which may be granted therefor in the United States and its territorial n any and all foreign countries and in and to any and all divisions, reissues, continuations, enewals thereof.
any and all foreig assignees of my their successors a entirely as the san	rize and request the Patent Office Officials in the United States and its territorial possessions and n countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and ne would have been held by me had this Assignment and sale not been made.
Further, I agree respecting said is continuation, subtail of said Letter possible to aid sinvention in the U	that I will communicate to said ASSIGNEES or their representatives any facts known to me invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, stitute, renewal and reissue applications, execute all necessary assignment papers to cause any and a Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything aid ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said united States and its territorial possessions and in any and all foreign countries.
I hereby acknowledge in the second of the se	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 onment of not more than five (5) years, or both.
LEGAL NAME	OF INVENTOR
Inventor: Taku	ya SAKAGUCHI Date: JAN 10, 2013
Signature:	Julya Sahagali

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 029705 FRAME: 0221

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR MULTIPLE ASSIGNEES

Title of Invention	MEDICAL IMAGE PROCESSING APPARATUS, MEDICAL IMAGE PROCESSING METHOD AND X-RAY IMAGING APPARATUS
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 filed on
	ed 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, Kal	bushiki Kaisha Toshiba and Toshiba Medical Systems Corporation
Japan and 1385, Sl	d to as "ASSIGNEES") having places of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, nimoishigami, Otawara-shi, Tochigi, Japan, respectively are desirous of jointly acquiring interests title and interest in and to said invention and in and to any Letters Patent that may be granted ited States and its territorial possessions and in any and all foreign countries;
acknowledged, and said ASSIGNEES, and in all foreign of other relevant Interinterest in and to possessions and is substitutions and respectively.	
any and all foreig assignees of my their successors a entirely as the san	rize and request the Patent Office Officials in the United States and its territorial possessions and n countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and ne 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 by fine or impriso	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 onment of not more than five (5) years, or both.
LEGAL NAME (
Inventor: Kyoji	ro NAMBU Date: Journ 15, 2013.
Signature:	Kyoji Nonh

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

PATENT

REEL: 029705 FRAME: 0222

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR MULTIPLE ASSIGNEES

Title of	MEDICAL IMAGE PROCESSING APPARATUS, MEDICAL IMAGE
Invention	PROCESSING METHOD AND X-RAY IMAGING APPARATUS
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 numberfiled on
	ed 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, Kat	bushiki Kaisha Toshiba and Toshiba Medical Systems Corporation
Japan and 1385, Ship the entire right.	d to as "ASSIGNEES") having places of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, himoishigami, Otawara-shi, Tochigi, Japan, respectively are desirous of jointly acquiring interests title and interest in and to said invention and in and to any Letters Patent that may be granted lited States and its territorial possessions and in any and all foreign countries;
acknowledged, and said ASSIGNEES, and in all foreign of other relevant Inte- interest in and to possessions and is substitutions and r	
any and all foreig assignees of my e their successors a entirely as the sam	rize and request the Patent Office Officials in the United States and its territorial possessions and n countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and ne 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.	
l L hereby ackno	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 onment of not more than five (5) years, or both.
LEGAL NAME (OF INVENTOR
Inventor: Shing	o ABE Date: JAN [0, 201,}
Signature:	Shingo abe

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

ALEXANDRIA, VIRGINIA 22314

PATENT REEL: 029705 FRAME: 0223

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR MULTIPLE ASSIGNEES

Title of Invention	MEDICAL IMAGE PROCESSING APPARATUS, MEDICAL IMAGE PROCESSING METHOD AND X-RAY IMAGING APPARATUS
As the below name	d inventor, I hereby declare that:
	The attached application, or
is directed to:	United States application or PCT international application number
	ed 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, Kal	bushiki Kaisha Toshiba and Toshiba Medical Systems Corporation
Japan and 1385, SI	d to as "ASSIGNEES") having places of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, nimoishigami, Otawara-shi, Tochigi, Japan, respectively are desirous of jointly acquiring interests title and interest in and to said invention and in and to any Letters Patent that may be granted ited States and its territorial possessions and in any and all foreign countries;
acknowledged, and said ASSIGNEES, and in all foreign of other relevant Inte- interest in and to possessions and in substitutions and re-	
any and all foreig assignees of my their successors a entirely as the sam	rize and request the Patent Office Officials in the United States and its territorial possessions and in countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and ne 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 acknowly by fine or impriso	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 onment of not more than five (5) years, or both.
LEGAL NAME (
Inventor: Kunic	SHIRAISHI Date: JAN 10, 20/3
Signature:	Kunio Shiraishi

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 029705 FRAME: 0224

RECORDED: 01/28/2013