502078843 09/28/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
UNIVERSITY OF UTAH	09/28/2012
TOSHIBA MEDICAL RESEARCH INSTITUTE, USA, Inc.	09/24/2012

RECEIVING PARTY DATA

Name:	UNIVERSITY OF UTAH RESEARCH FOUNDATION
Street Address:	615 ARAPEEN DRIVE
Internal Address:	SUITE 310
City:	SALT LAKE CITY
State/Country:	UTAH
Postal Code:	84108

Name:	TOSHIBA MEDICAL SYSTEMS CORPORATION
Street Address:	1385 SHIMOISHIGAMI
City:	OTAWARA-SHI, TOCHIGI-KEN
State/Country:	JAPAN
Postal Code:	324-8550

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13561674

CORRESPONDENCE DATA

Fax Number: 2155990601

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

Phone: 215.599.0604

Email: kyoshida@yoshida-and-associates.com

Correspondent Name: YOSHIDA & ASSOCIATES LLC

Address Line 1: 1628 JOHN F. KENNEDY BOULEVARD Address Line 2: EIGHT PENN CENTER, SUITE 1350

PATENT

REEL: 029047 FRAME: 0972

DP \$40.00 13561674

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Address Line 4: PHILADELPHI	A, PENNSYLVANIA 19103
ATTORNEY DOCKET NUMBER:	TOSHIBA-1047 (FINAL ASSGN
NAME OF SUBMITTER:	Ken I Yoshida
Total Attachments: 4 source=TOSHIBA1047_U_OF_UTAH_REASEARCH_TMSC_ASSIGNMENT#page1.tif source=TOSHIBA1047_U_OF_UTAH_REASEARCH_TMSC_ASSIGNMENT#page2.tif source=TOSHIBA1047_U_OF_UTAH_REASEARCH_TMSC_ASSIGNMENT#page3.tif source=TOSHIBA1047_U_OF_UTAH_REASEARCH_TMSC_ASSIGNMENT#page4.tif	

PATENT REEL: 029047 FRAME: 0973

DOCKET NO.: TOSHIBA-1047

Toshiba Ref. No: 98G210270USA-AT (TMRU-251)

Suzuye Ref: T3KH-12S0823

ASSIGNMENT

WHEREAS, WE, UNIVERISITY OF UTAH a university of Utah, and TOSHIBA MEDICAL RESEARCH INSTITUTE, USA, Inc., a US corporation, hereinafter referred to as the assignors, are the inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Attorney Docket No. TOSHIBA-1047, entitled "METHOD AND SYSTEM FOR GENERATING IMAGE USING FILTERED BACKPROJECTION WITH NOISE WEIGHTING AND OR PRIOR IN", filed on July 30, 2012 and accorded US Patent Application No. 13/561,674.

WHEREAS, UNIVERISITY OF UTAH RESEARCH FOUNDATION, a foundation of Utah, and TOSHIBA MEDICAL SYSTEMS CORPORATION, a Japan corporation, hereinafter referred to as the assignees, of 615 Arapeen Drive, Suite 310, Salt Lake City, UT 84108 USA, and 1385, Shimoishigami, Otawara-shi, Tochigi-ken, JAPAN, 324-8550, are desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said applications including the right to claim priority to the applications in any foreign application entitled to claim such priority under national law, international conventions, treaties or otherwise, and any and all continuations, divisions and renewals of and substitutes for said applications, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our name applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

DOCKET NO.: TOSHIBA-1047

Toshiba Ref. No: 98G210270USA-AT (TMRU-251)

Suzuye Ref: T3KH-12S0823

AND We hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, all known facts respecting said inventions or improvements, said applications and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND We hereby authorize and request the Director — U.S. Patent and Trademark Office and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the applications aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

Dated: _	9/28/2012	Tacker Mides Deputy Executive Direct University of Utah	(L. S.) Printed Name
Dated: _		Toshiba Medical Research Institute	(L. S.) Printed Name Title e, USA, Inc.

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NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said applications including the right to claim priority to the applications in any foreign application entitled to claim such priority under national law, international conventions, treaties or otherwise, and any and all continuations, divisions and renewals of and substitutes for said applications, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our name applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

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AND We hereby authorize and request the Director – U.S. Patent and Trademark Office and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the applications aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

Dated:		(L. S.)
Dittou.		Printed Name
		Title
	University of Utah	
Dated: Sep 24, 2012	Michal D. Silve	(L. S.) Printed Name
,	Michael D. Silver Vice Prosident Research Fell	Title
	Toshiba Medical Research Institute	USA, Inc.

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