

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Aleksandr ZAMYATIN</td><td>07/06/2009</td></tr><tr><td>Anusha Muthu NATARAJAN</td><td>07/08/2009</td></tr><tr><td>Yu ZOU</td><td>07/06/2009</td></tr></tbody></table>		Name	Execution Date	Aleksandr ZAMYATIN	07/06/2009	Anusha Muthu NATARAJAN	07/08/2009	Yu ZOU	07/06/2009
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RECEIVING PARTY DATA									
<table border="1"><tr><td>Name:</td><td>KABUSHIKI KAISHA TOSHIBA</td></tr><tr><td>Street Address:</td><td>1-1, SHIBAURA 1-CHOME, MINATO-KU</td></tr><tr><td>City:</td><td>TOKYO</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr></table>		Name:	KABUSHIKI KAISHA TOSHIBA	Street Address:	1-1, SHIBAURA 1-CHOME, MINATO-KU	City:	TOKYO	State/Country:	JAPAN
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PROPERTY NUMBERS Total: 1									
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Application Number:	12492754								
CORRESPONDENCE DATA									
Fax Number: (215)599-0601 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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ATTORNEY DOCKET NUMBER:	TOSHIBA-1005								

OP \$40.00 12492754

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PATENT
REEL: 022950 FRAME: 0960

NAME OF SUBMITTER:	Ken Yoshida
Total Attachments: 2 source=TOSHIBA1005ASSIGNMENT#page1.tif source=TOSHIBA1005ASSIGNMENT#page2.tif	

ASSIGNMENT

Corrected
by Attorney
of Record
No 37,009
RZY

Muthu WHEREAS, I, **Aleksandr ZAMYATIN**, residing in **Buffalo Grove, IL**, **Anusha Mueha NATARAJAN**, residing in **Vernon Hills, IL**, and **Yu ZOU**, residing in **Naperville, IL**, 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-1005**, entitled **ADVANCED CLUSTERING METHOD FOR MATERIAL SEPARATION IN DUAL ENERGY CT**, filed on **June 26, 2009** and accorded US Patent Application No. **12/492,754**.


WHEREAS, **KABUSHIKI KAISHA TOSHIBA and TOSHIBA MEDICAL SYSTEMS CORPORATION**, hereinafter referred to as the assignees, of 1-1-1, Shibaura, Minato-ku, Tokyo, Japan and 1385, Shimo-Ishigami, Otawara-shi, Tochigi-ken, Japan, corporations of **Japan**, 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 me 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 me had this assignment, sale and transfer not been made.

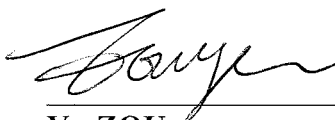
AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all 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: July 6, 2009  (L. S.)
Aleksandr ZAMYATIN

Dated: 7/8/09  (L. S.)
MUTHU
Anusha Mucha NATARAJAN

Dated: 7/6/09  (L. S.)
Yu ZOU