502167659 12/18/2012

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| MITSUE MIYAZAKI | 11/21/2012 |

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13633503 |

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Total Attachments: 1

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PATENT

REEL: 029493 FRAME: 0567

OF \$40.00 13633503

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U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S)) Kabushiki Kaisha Toshiba 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan and Toshiba Medical Systems Corporation 1385, Shimoishigami, Otawara-shi, Tochigi 324-8550 Japan (hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled MAGNETIC RESONANCE IMAGING APPARATUS AND MAGNETIC RESONANCE IMAGING METHOD and/or for which application for Letters Patent of the United States was relating to International Patent Application PCT/JP_ executed on even date herewith or, if not so executed, was: (Insert date of execution of application, if not concurrent) (b) filed on October 2, 2012, Assignee's attorney is hereby authorized to insert in (b) the specified Serial No. 13/633.503; and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)"). The ASSIGNOR agrec(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing several restimpory, and obtaining and producing evidence. sworn testimony, and obtaining and producing evidence. IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s). 11/21/2017 Mitsue MIYAZAKI (Type Name) (Type Name) (Date) (Type Name) (Date) (Signature) (Date) (Type Name) (Signature) (Type Name) (Date)

> PATENT REEL: 029493 FRAME: 0568

RECORDED: 12/18/2012